

ESTABLISHED 1823.

WILSON BROTHERS BOBBIN COMPANY, Limited,



Bobbin Manufacturers,



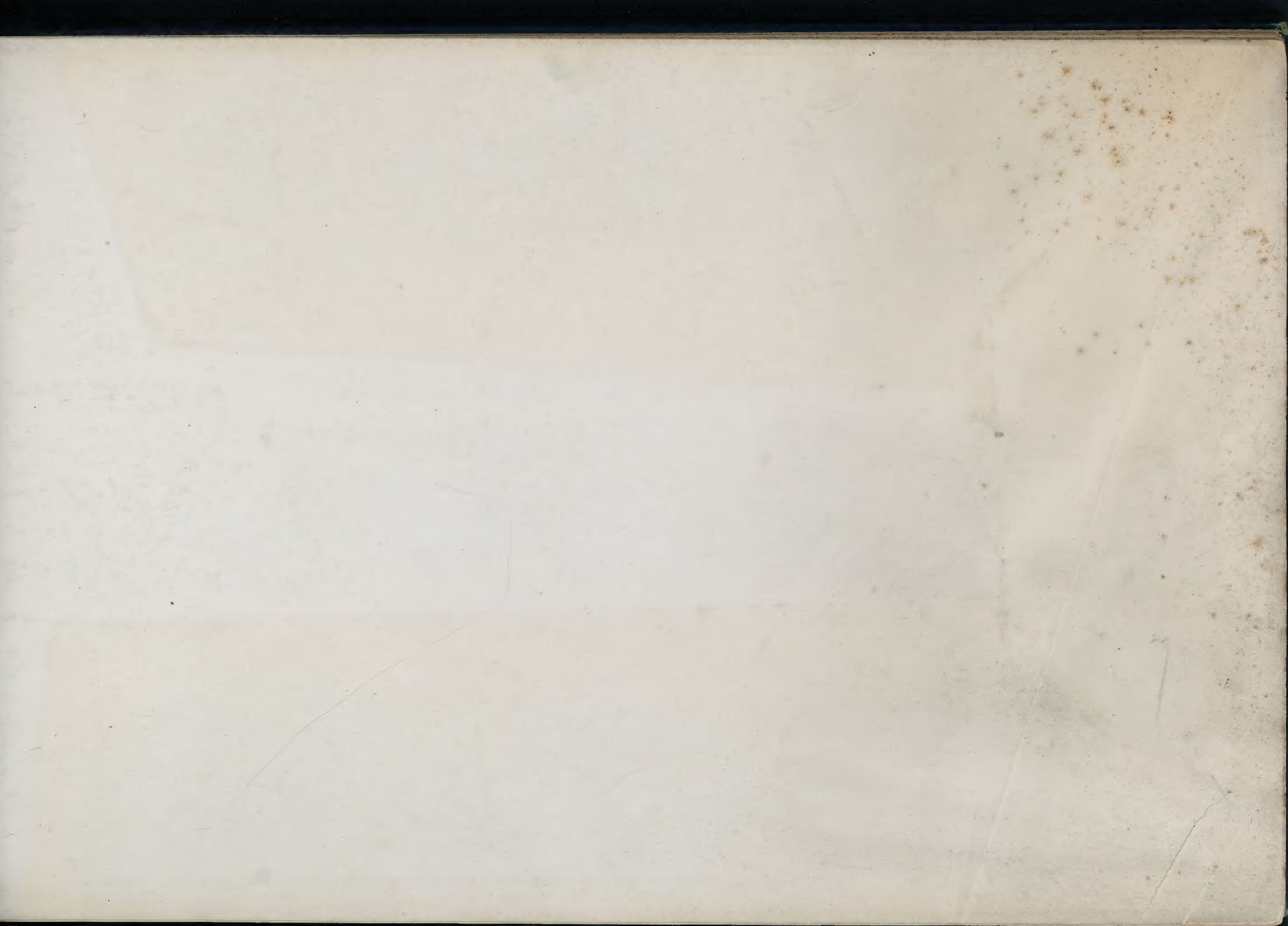
CORNHOLME MILLS, TODMORDEN, ENGLAND.

14, MARKET PLACE, MANCHESTER,
ATLAS WORKS, GARSTON, LIVERPOOL.

GENERAL-VERTRETER :

A. BRICKWEDDE & CO.,

RHEINE IN WESTFALEN.





MEDALS AWARDED
TO
WILSON BROTHERS BOBBIN COMPANY, LIMITED,
BOBBIN & SHUTTLE MANUFACTURERS.

A. B. RHEIN-AL-VERTEDE & CO. LTD.
CORNHOLME, ENGLAND.

BRANCH WORKS: ATLAS BOBBIN WORKS, GARSTON, LIVERPOOL.

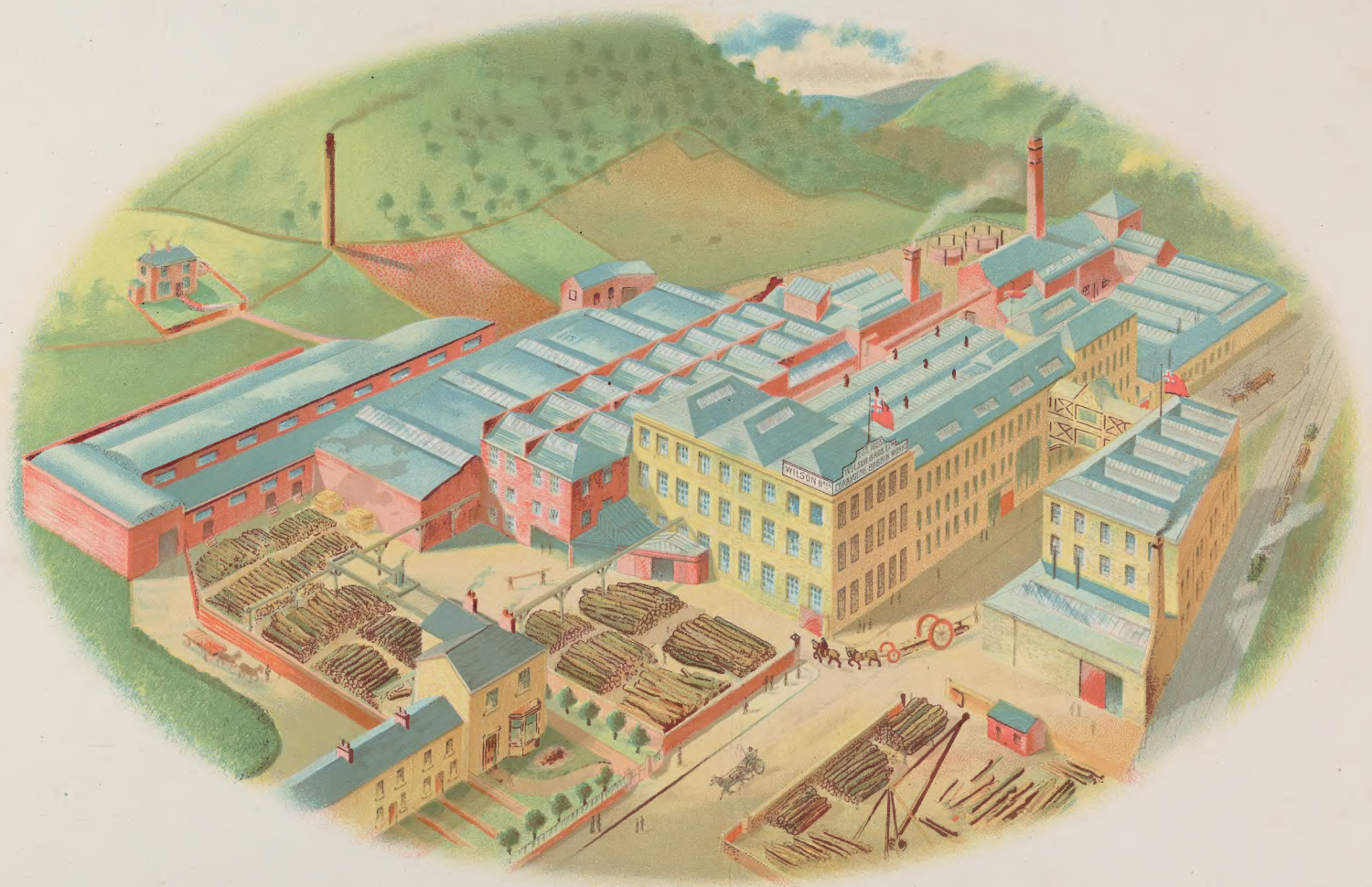
14, MARKET PLACE, OFF MARKET STREET, MANCHESTER.

Directors:

Mr. JOSHUA H. WILSON, Chairman.

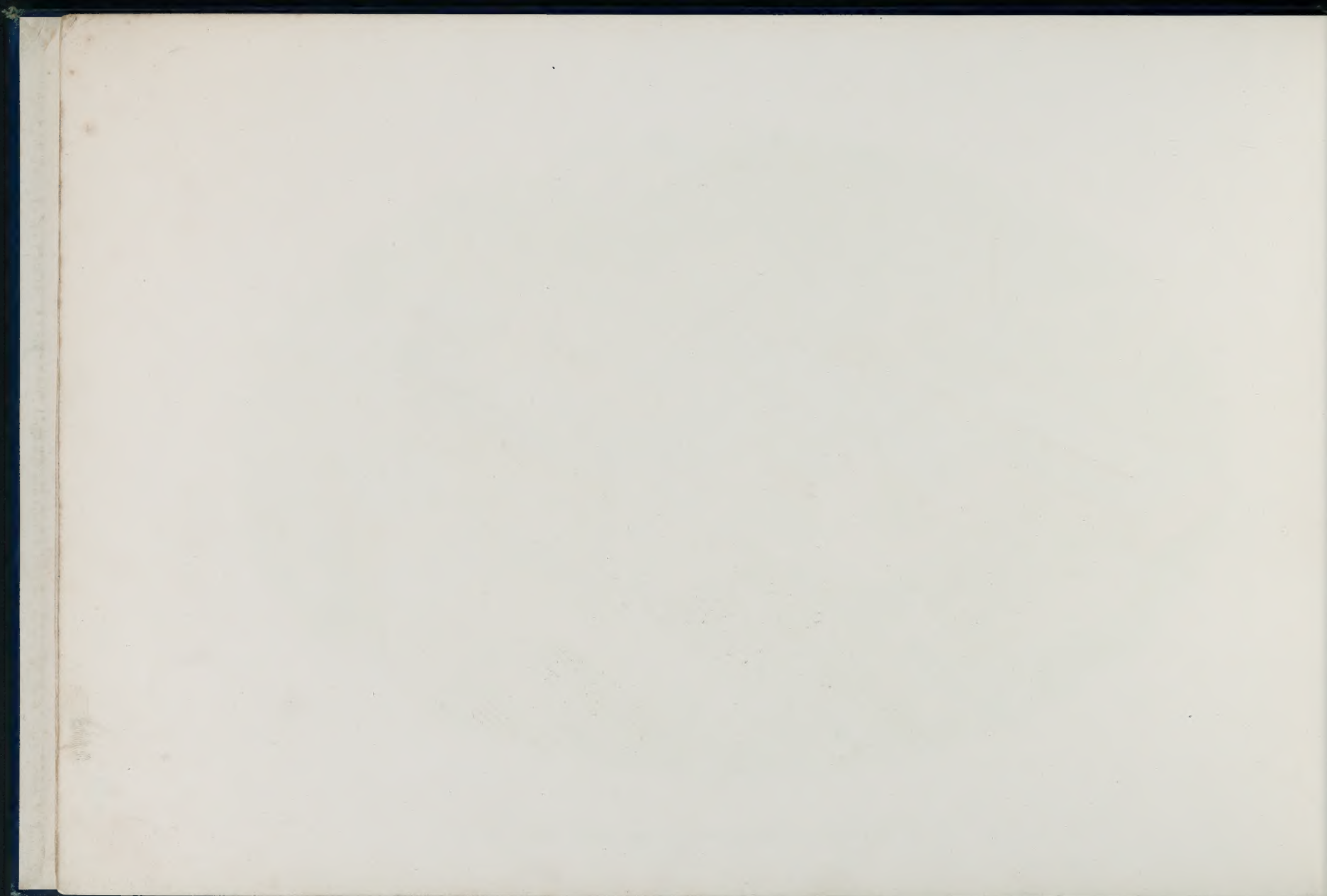
Mr. HERBERT W. WILSON.

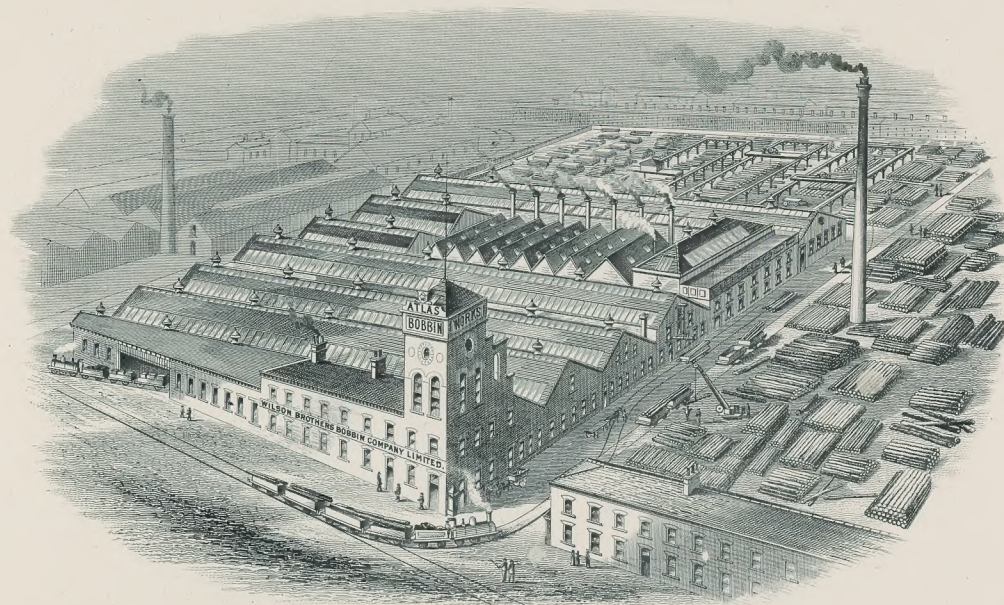
Mr. JOHN GREENWOOD.



CORNHOLME BOBBIN WORKS TODMORDEN.

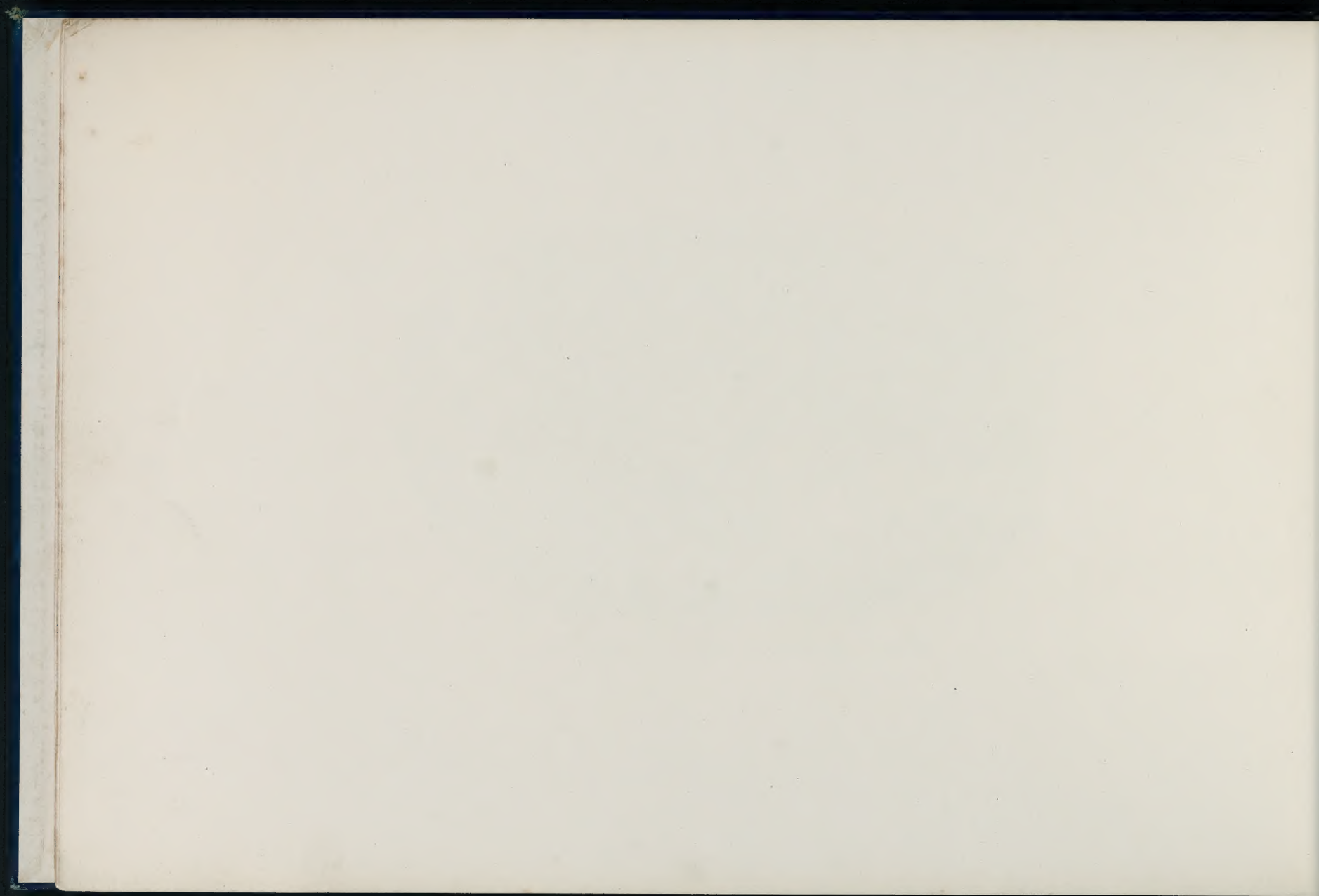
GENERAL-VERTRETER:
A. BRICKWEDDE & CO.,
RHEINE IN WESTFALEN.

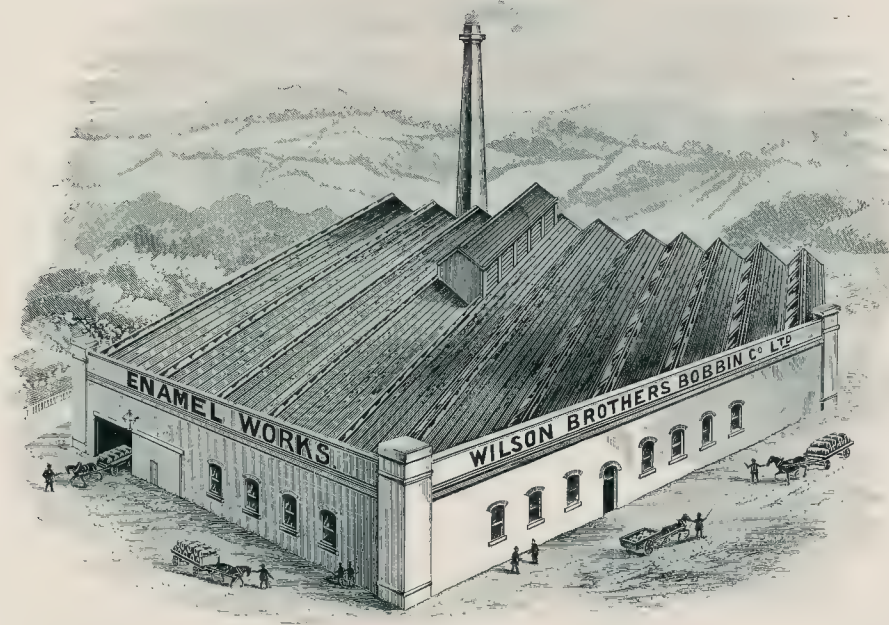




ATLAS BOBBIN WORKS, GARSTON, LIVERPOOL.

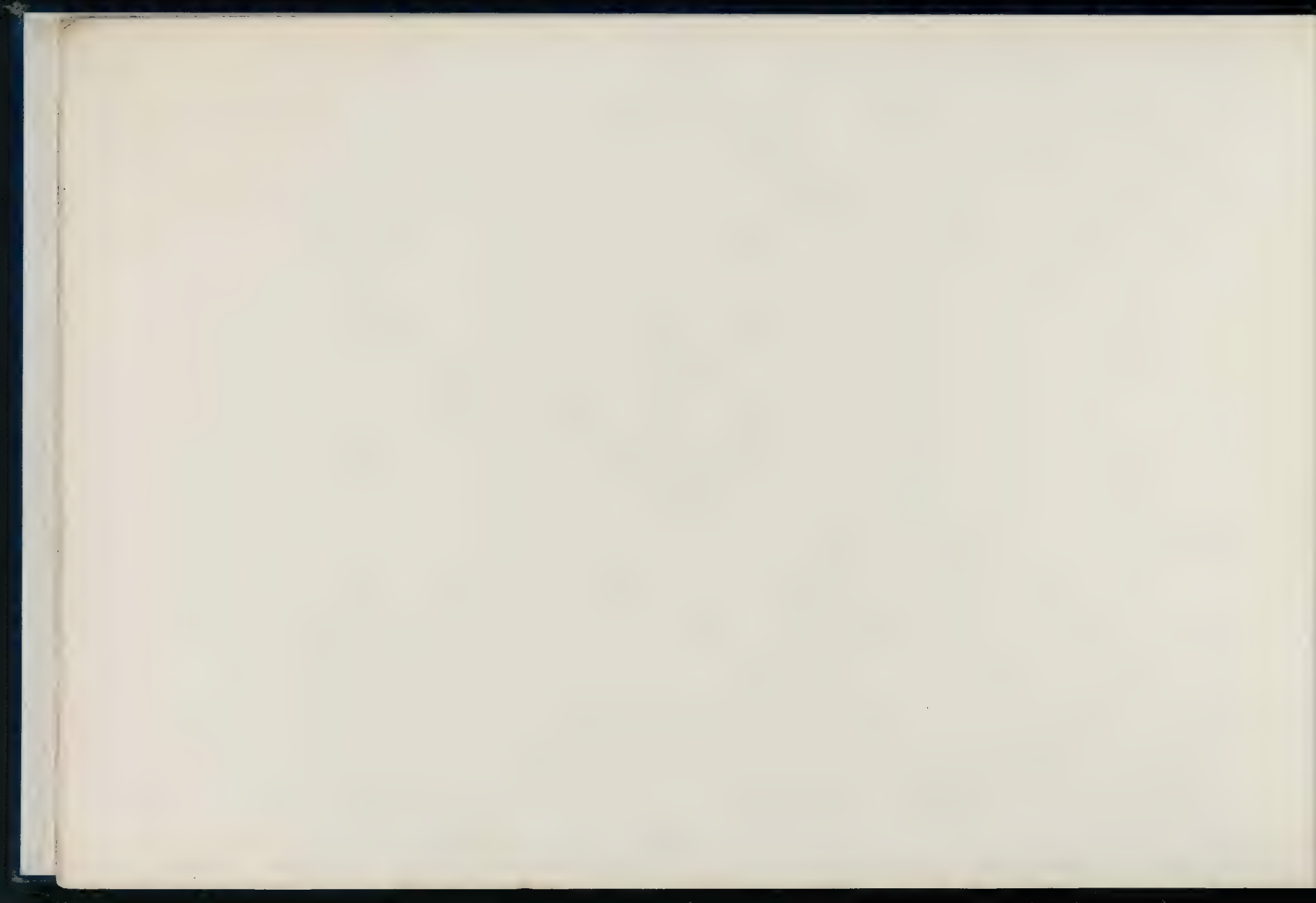
GENERAL-VERTRETER:
A. BRICKWEDDE & CO.,
RHEINE IN WESTFALEN.





ENAMEL WORKS, CORNHOLME, TODMORDEN.

HAUPT-VERTRETER:
A. PRICKWIDE & CO.
MILNE IN WETTER



INHALTS-VERZEICHNISS.

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WILSON BROTHERS BOBBIN COMPANY, Limited, Cornholme Mills, Todmorden.

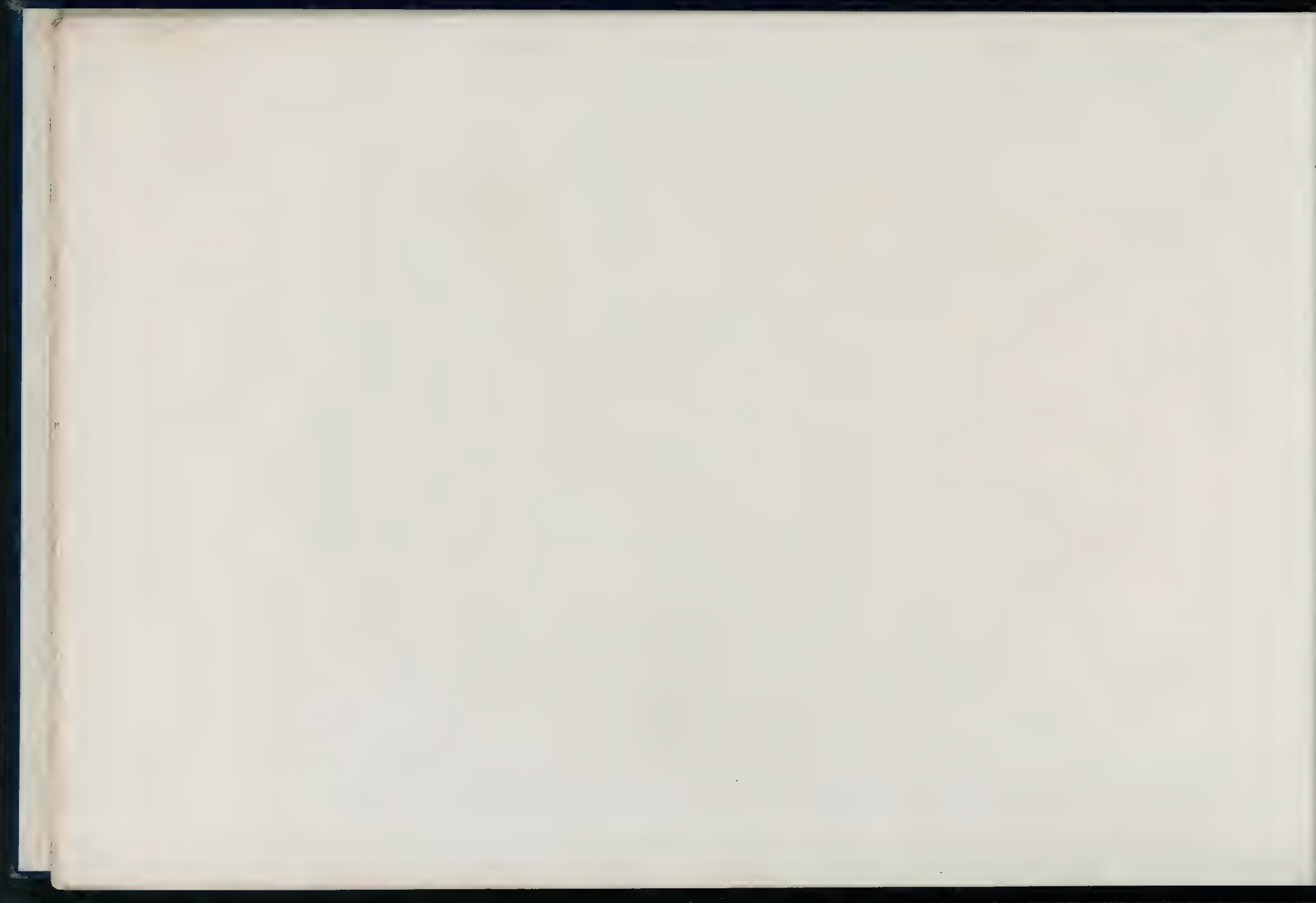
GENERAL-VERTRETER: A. BRICKWEDDE & CO., RHEINE IN WESTFALEN





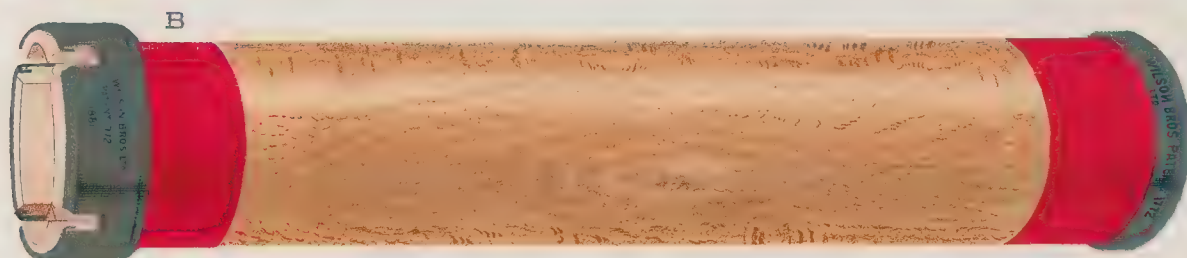
SPECIMEN COLOURS USED BY WILSON BROS., LIMITED, FOR PAINTING BOBBINS, MANUFACTURED BY THEM.

GENERAL-VERTRETER. A. BRICKWEDDE & CO., RHEINE IN WESTFALEN. WORKS:—CORNHOLME MILL,
TODMORDEN.

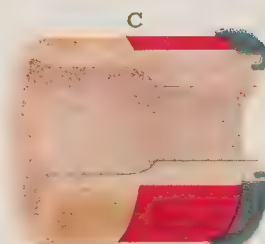




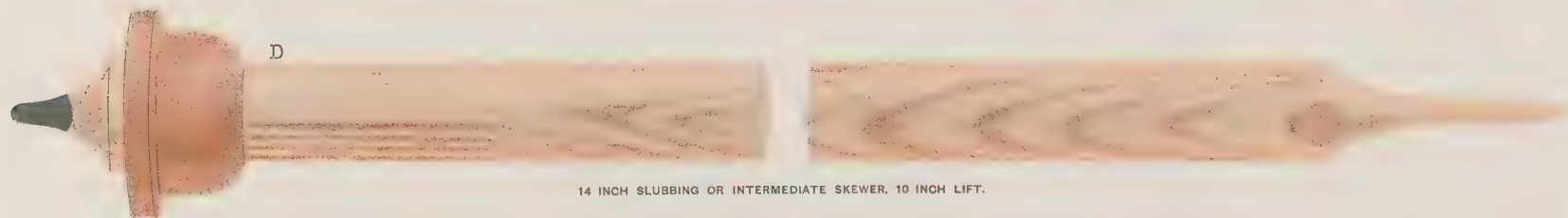
11½ INCH SLUBBING OR INTERMEDIATE TUBE, 10 INCH LIFT × 1½ INCH DIAMETER. BEADED TOP. SHIELDED BOTH ENDS.



8½ INCH ROVING TUBE, 7 INCH LIFT × 1½ INCH DIAMETER. BEADED TOP. SHIELDED BOTH ENDS.



SECTION.



14 INCH SLUBBING OR INTERMEDIATE SKEWER, 10 INCH LIFT.

LONG COLLAR TUBES FOR COTTON MACHINERY, AS MADE BY WILSON BROS, LIMITED,
WITH THEIR PATENT STEEL SHIELDS APPLIED TO BOTH ENDS.

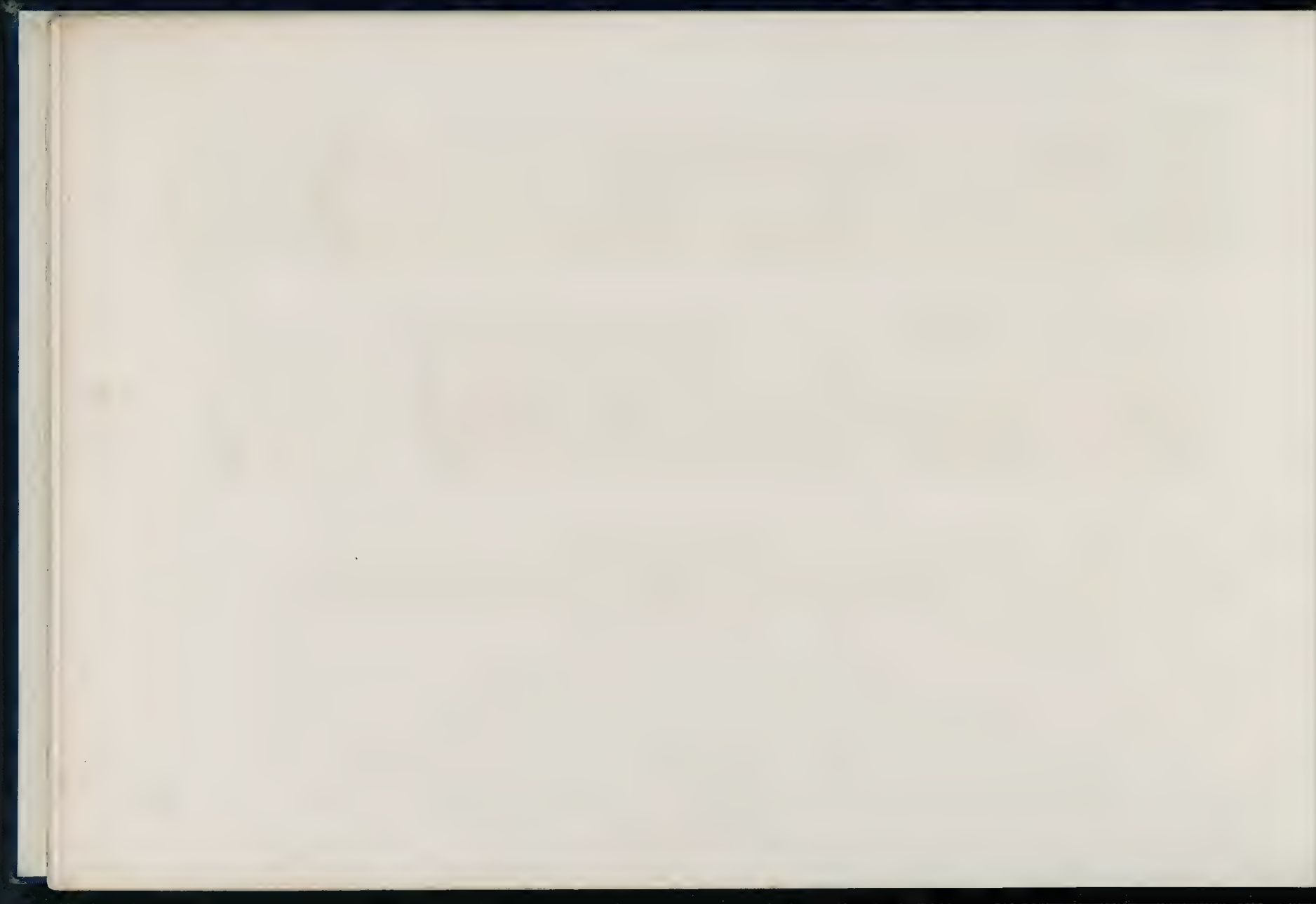
SLUBBING, INTERMEDIATE, AND ROVING TUBES MADE ANY LIFT AND DIAMETER.

SKEWERS WITH BOXWOOD TIPS OR WITH PATENT TIPS IN BRASS OR MALLEABLE IRON.

GENERAL-VERTRETER:

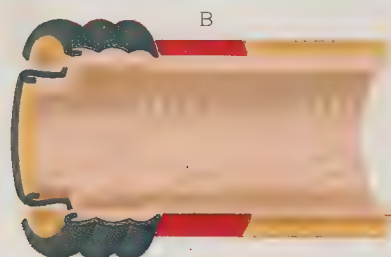
A. BRICKWEDDE & CO., RHEINE IN WESTFALEN.

WORKS:—CORNHOLME,
TODMORDEN.

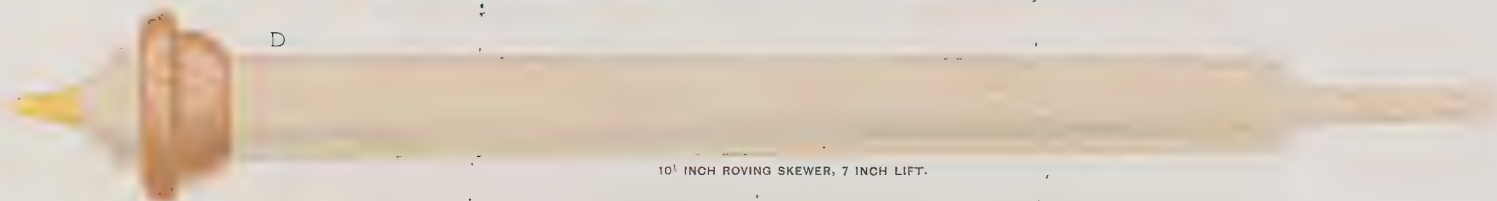




8 1/2 INCH ROVING TUBE, LEVEL TOP, 7 INCH LIFT \times 1 1/2 OR 1 3/4 INCH DIAMETER, SHIELDED BOTH ENDS



SECTIONS.

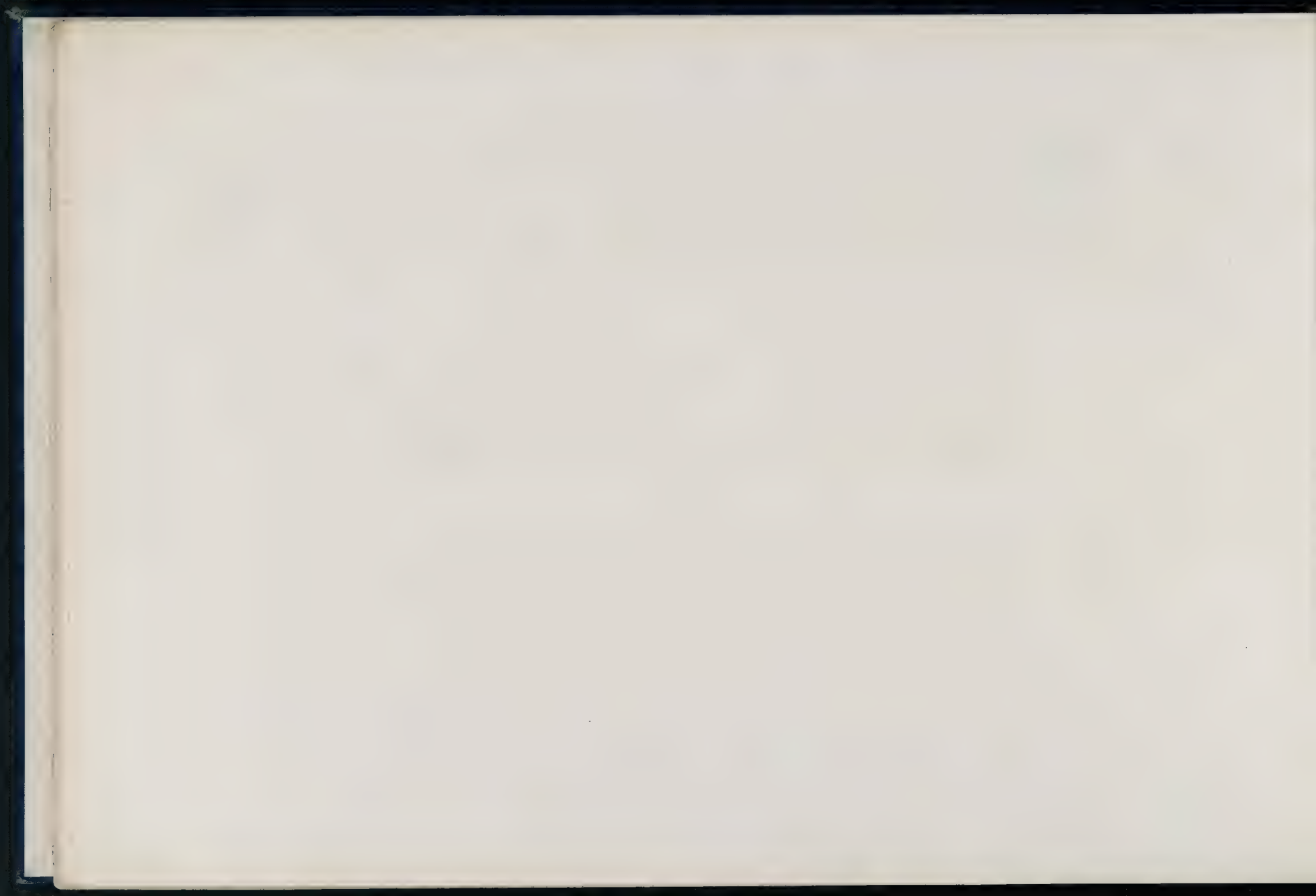


10 1/2 INCH ROVING SKEWER, 7 INCH LIFT.

LONG COLLAR TUBES FOR COTTON MACHINERY, AS MADE BY WILSON BROS., LIMITED,
WITH C. N. WADIA'S PATENT CORRUGATED STEEL SHIELDS APPLIED TO BOTH ENDS.

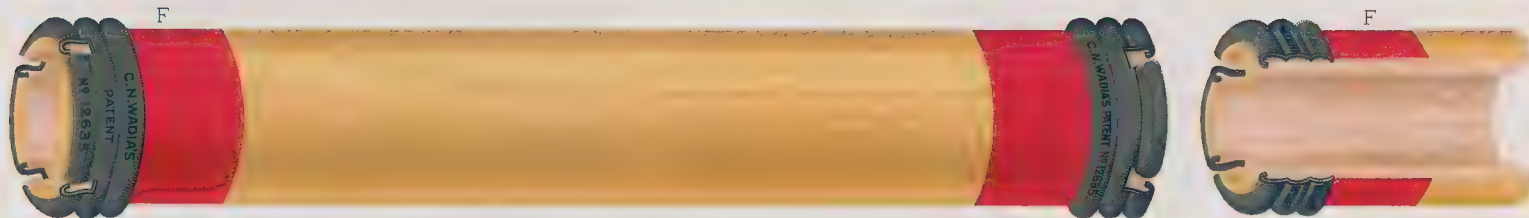
SLUBBING, INTERMEDIATE AND ROVING TUBES MADE ANY LIFT AND DIAMETER.

SKEWERS WITH BOXWOOD TIPS OR WITH PATENT TIPS IN BRASS OR MALLEABLE IRON.





10 INCH LIFT SLUBBING TUBE $\times 1\frac{1}{2}$ INCH DIAMETER, WITH DRIVING SHIELDS AT BOTH ENDS



7 INCH ROVING TUBE $\times 1\frac{1}{2}$ INCH DIAMETER, WITH DRIVING SHIELDS AT BOTH ENDS

SECTION.



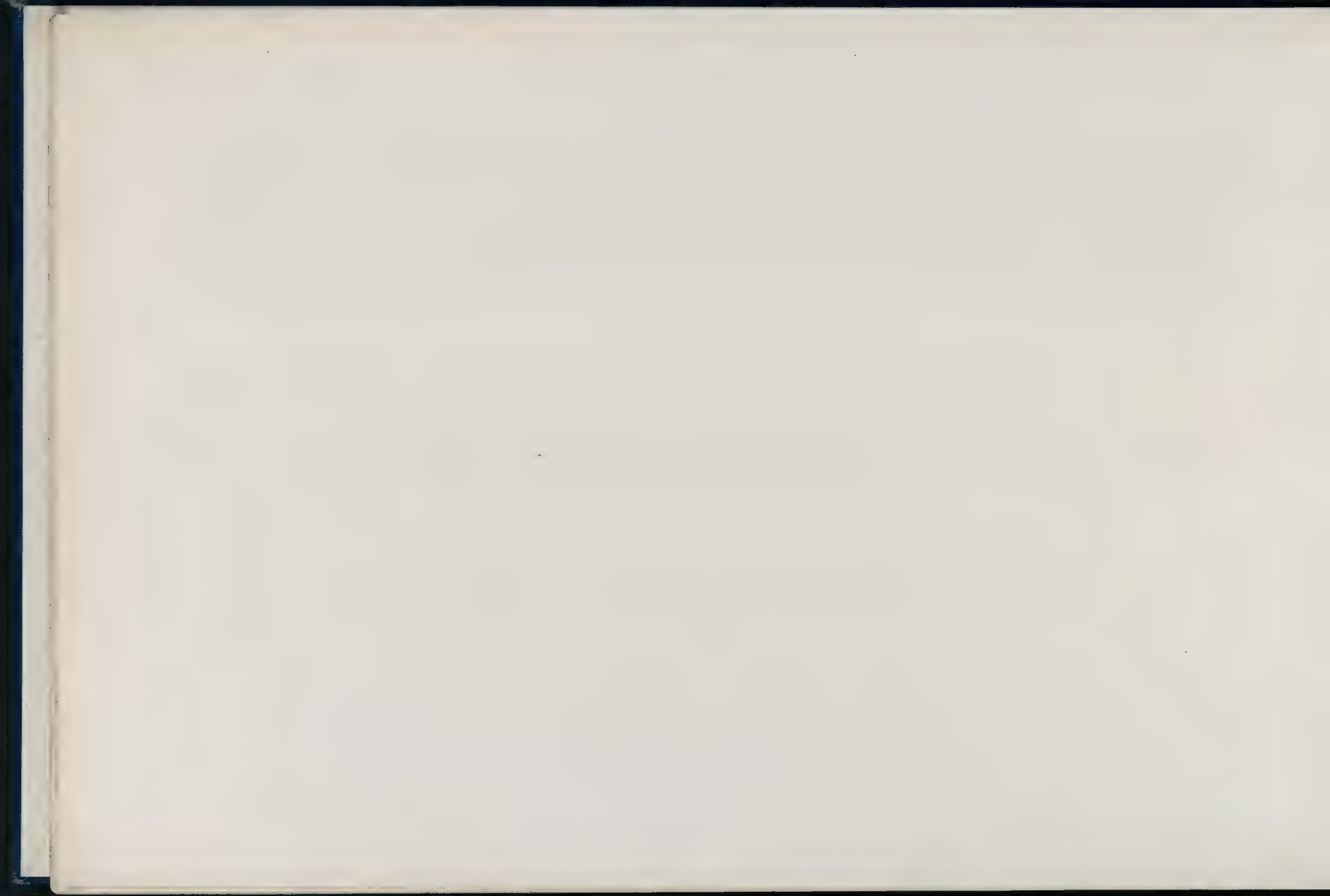
7 INCH ROVING SKEWER $\frac{3}{8}$ INCH DIAMETER, WITH PATENT BRASS TIP.

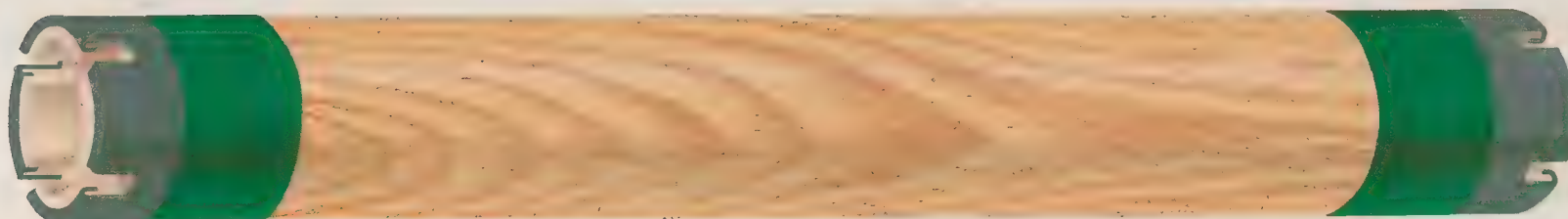
SHORT COLLAR TUBES FOR COTTON MACHINERY, AS MADE BY WILSON BROS., LIMITED,
WITH C. N. WADIA'S PATENT CORRUGATED STEEL SHIELDS APPLIED TO BOTH ENDS.
SKEWERS WITH BOXWOOD TIPS OR WITH PATENT TIPS IN BRASS OR MALLEABLE IRON.

GENERAL-VERTRETER:

A. BRICKWEDDE & CO., RHEINE IN WESTFALEN

WORKS:—CORNHOLME MILL,
TODMORDEN.





11 INCH STRAIGHT SLUBBING OR INTERMEDIATE TUBE. 10 INCH LIFT \times $1\frac{1}{2}$ INCH DIAMETER.



SECTION,



8 INCH STRAIGHT ROVING TUBE. 7 INCH LIFT \times $1\frac{1}{2}$ INCH DIAMETER.



14 INCH SLUBBING OR INTERMEDIATE SKEWER. 10 INCH LIFT.

SHORT COLLAR TUBES FOR COTTON MACHINERY, AS MADE BY WILSON BROS, LIMITED,
WITH THEIR PATENT STEEL SHIELDS APPLIED TO BOTH ENDS.

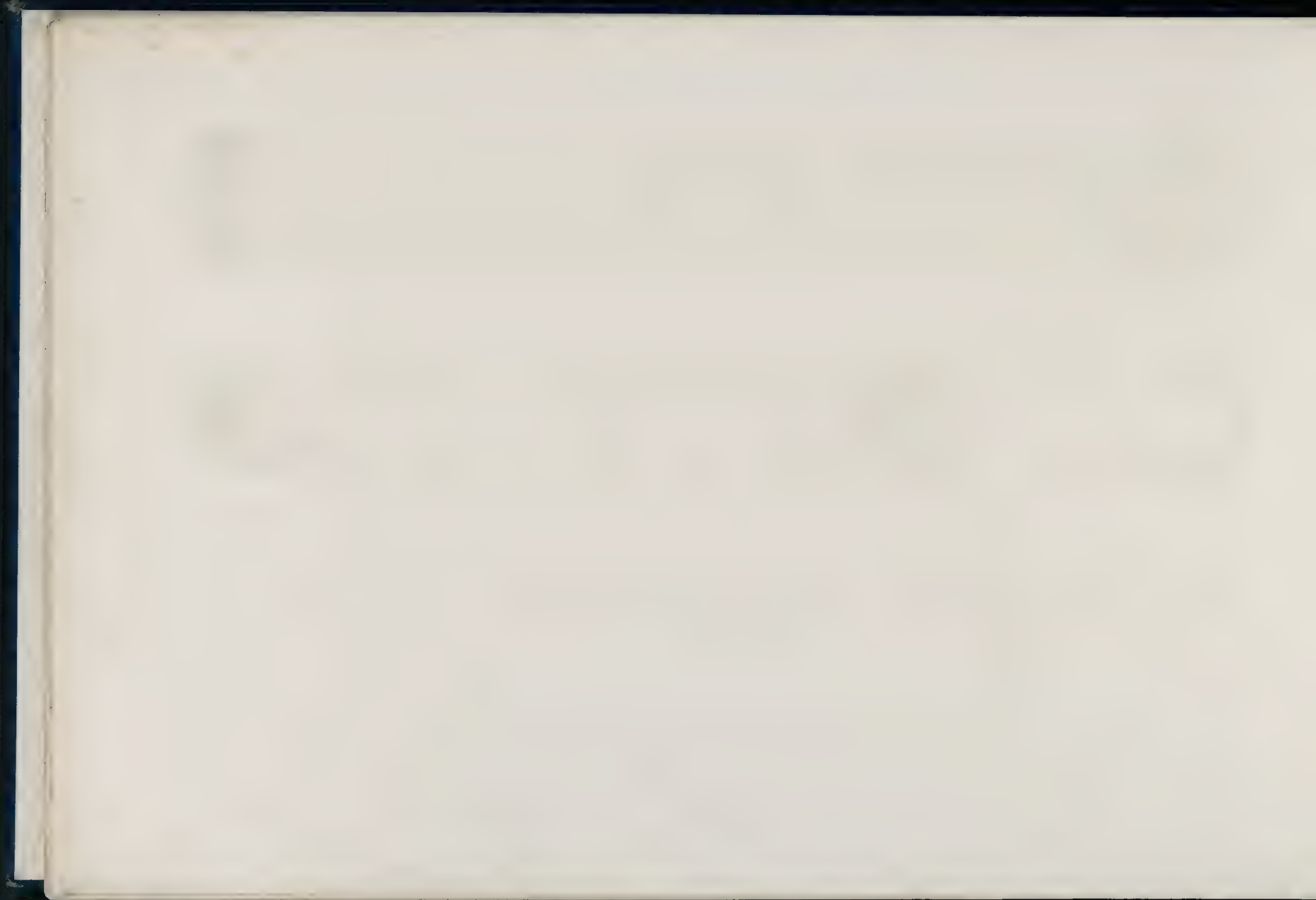
SLUBBING, INTERMEDIATE, AND ROVING TUBES MADE ANY LIFT AND DIAMETER.

SKEWERS WITH BOXWOOD TIPS OR WITH PATENT TIPS IN BRASS OR MALLEABLE IRON.

GENERAL-VERTRETER:

A. BRICKWEDDE & Co., RHEINE IN WESTFALEN.

WORKS:—CORNHOLME,
TODMORDEN.

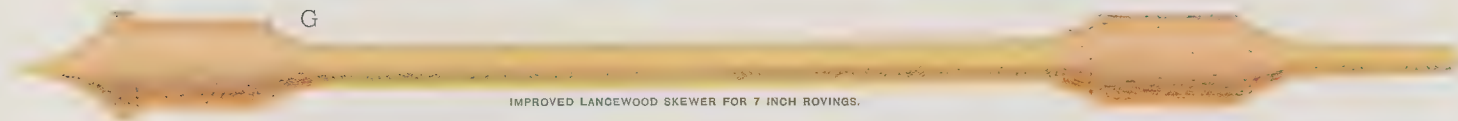
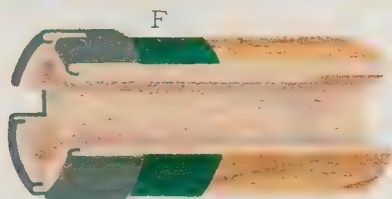




10 INCH LIFT SLUBBING TUBE, X 1 1/8 INCH DIAMETER.



7 INCH LIFT ROVING TUBE, X 1 1/8 INCH DIAMETER.



IMPROVED LANCEWOOD SKEWER FOR 7 INCH ROVINGS.

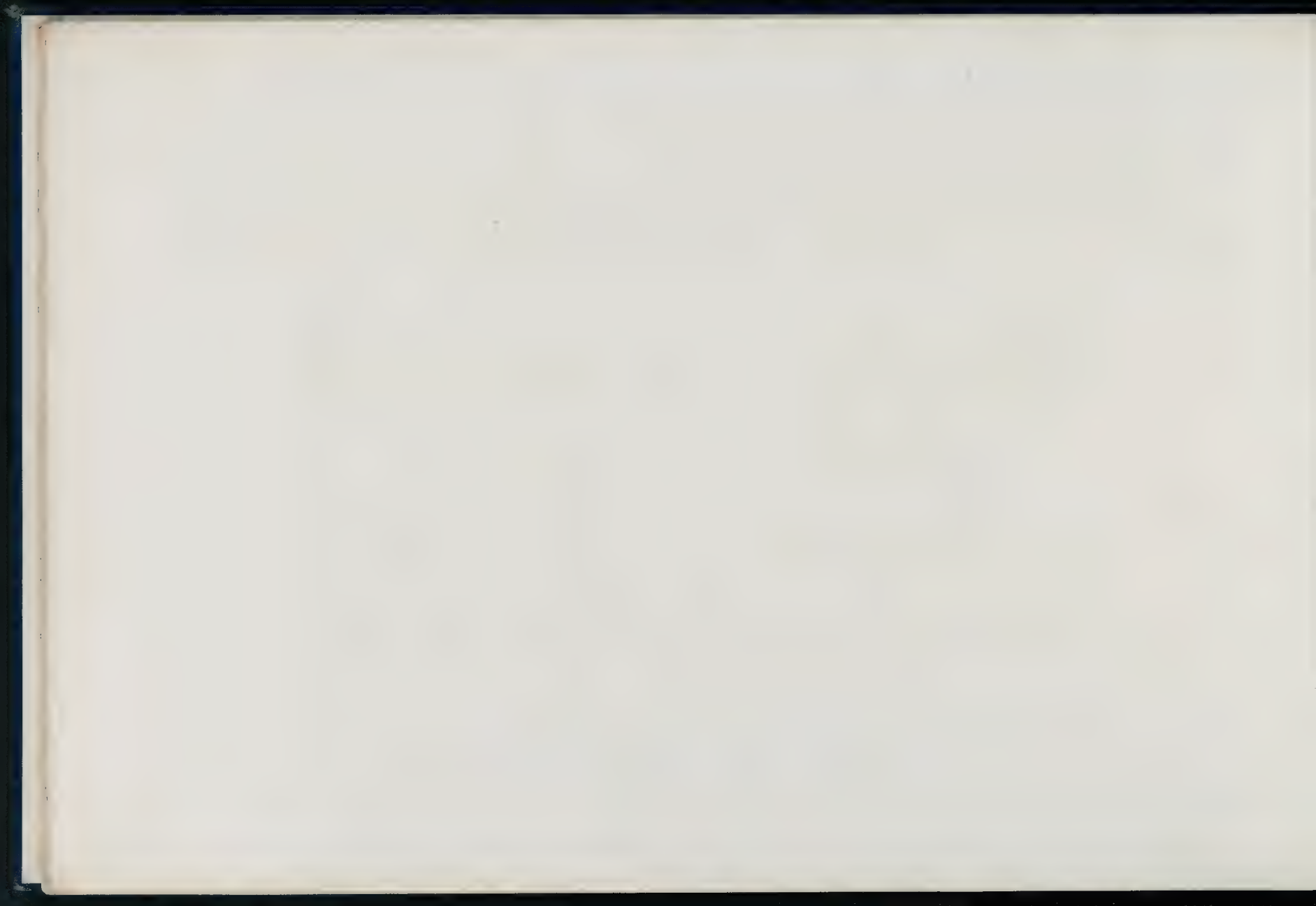
SHORT COLLAR TUBES, SMALL DIAMETERS, FOR FINE COUNTS, AS MADE BY WILSON BROS., LIMITED,
WITH THEIR PATENT STEEL SHIELDS APPLIED TO BOTH ENDS.

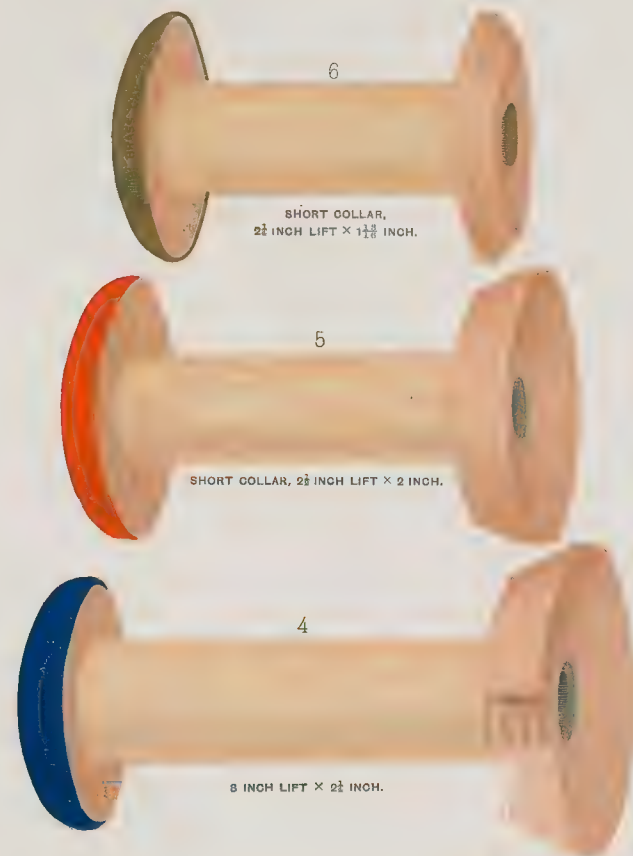
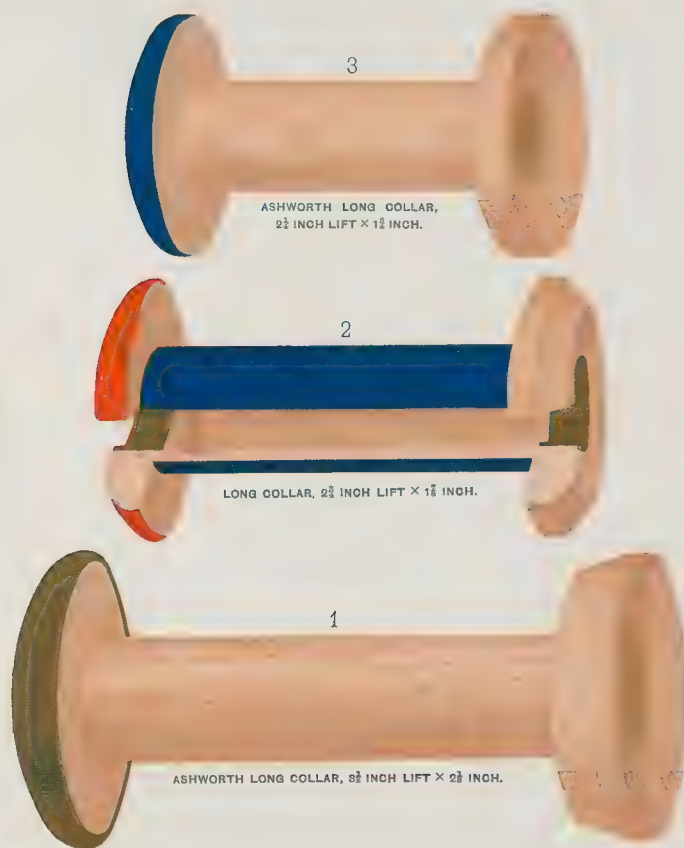
EXTRA LIGHT SPRING SKEWER.

GENERAL-VERTRETER:

A. BRICKWEDDE & CO., RHEINE IN WESTFALEN

WORKS:—CORNHOLME MILL,
TODMORDEN.



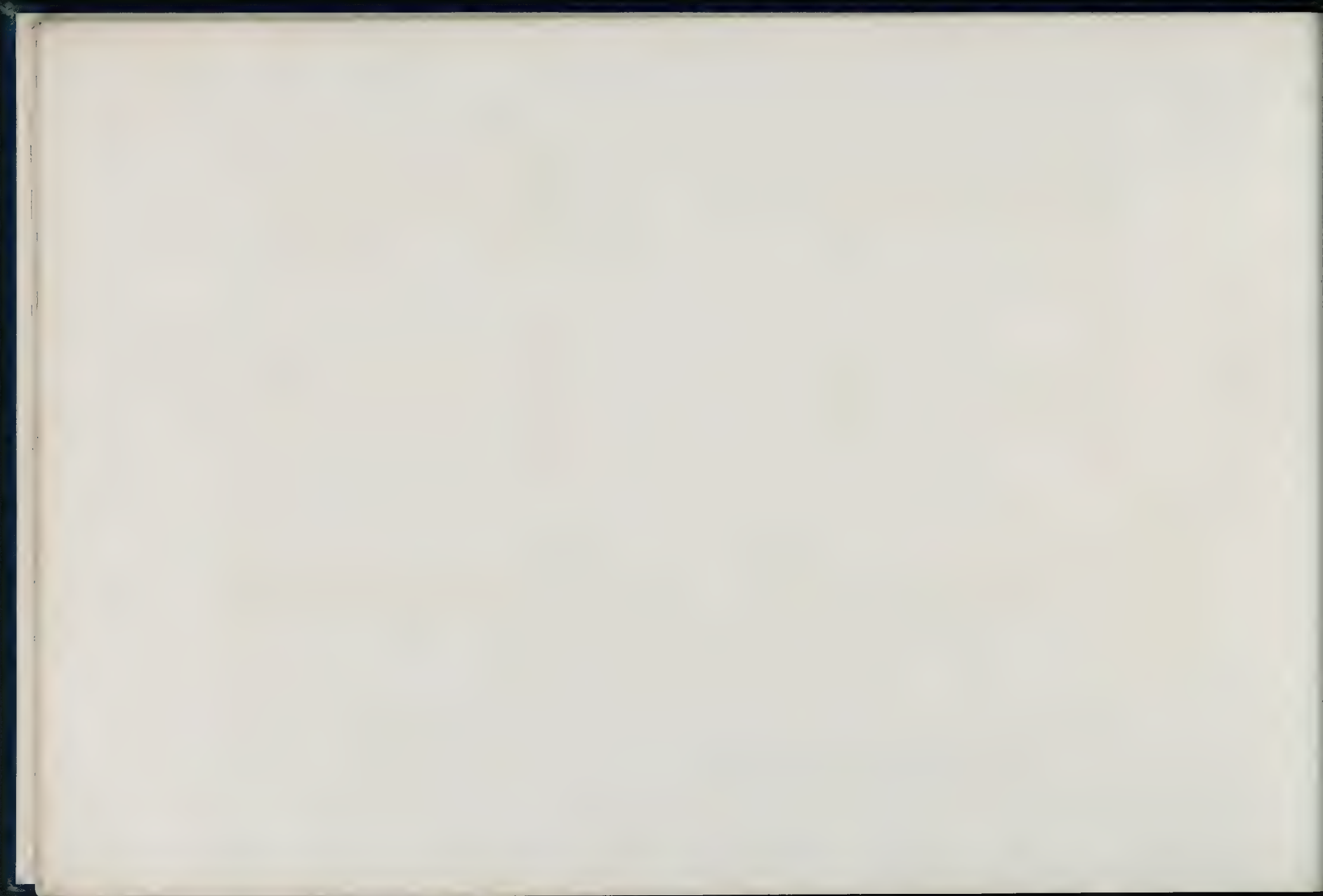


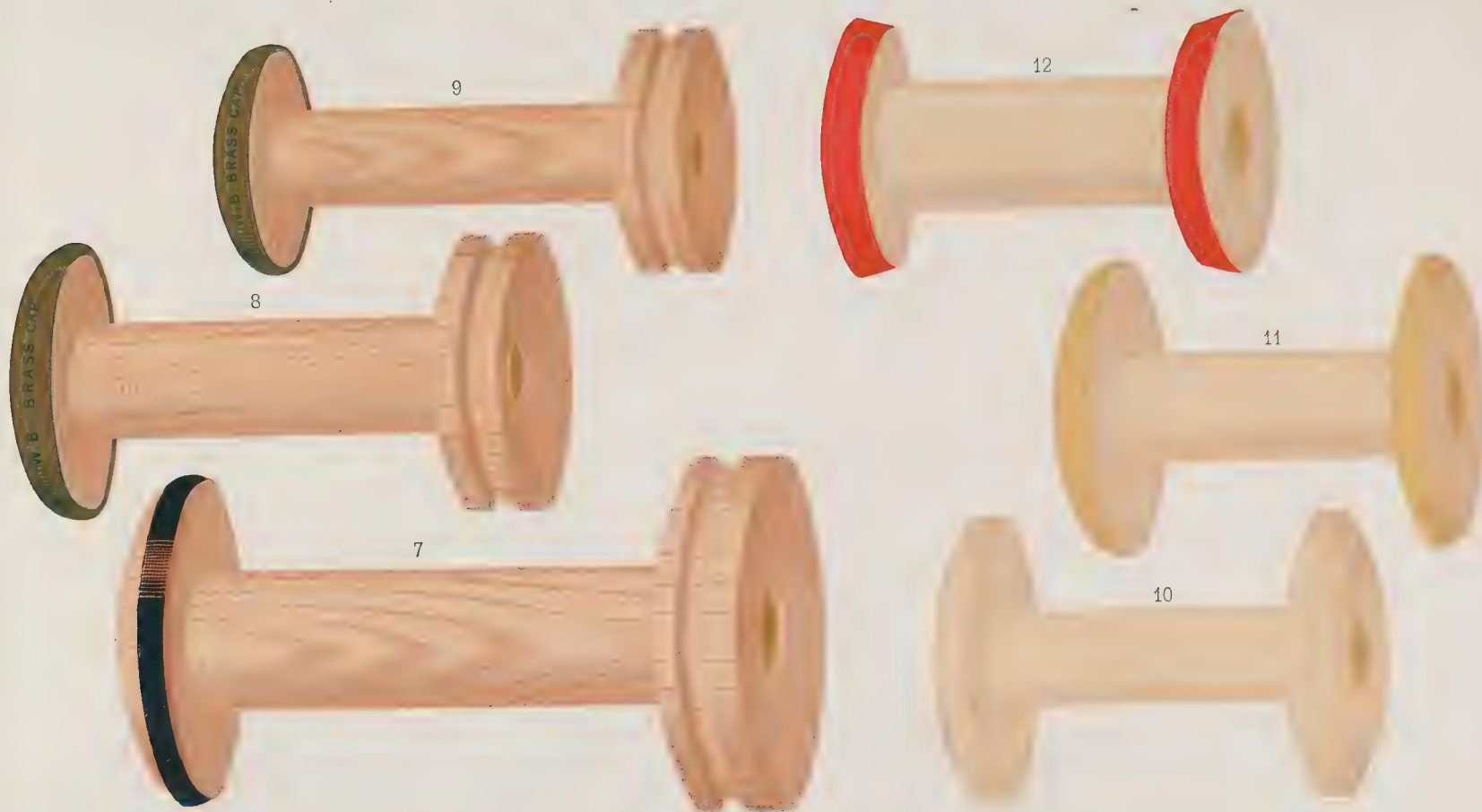
FLYER THROSTLE BOBBINS, LONG AND SHORT COLLAR, AS MADE BY WILSON BROS., LIMITED,
WITH BRASS CAP AND METAL BUSH.

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Durham & Son, Printers, Manchester

GENERAL-VERTRETER:
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WORKS:—CORNHOLME MILL,
TODMORDEN



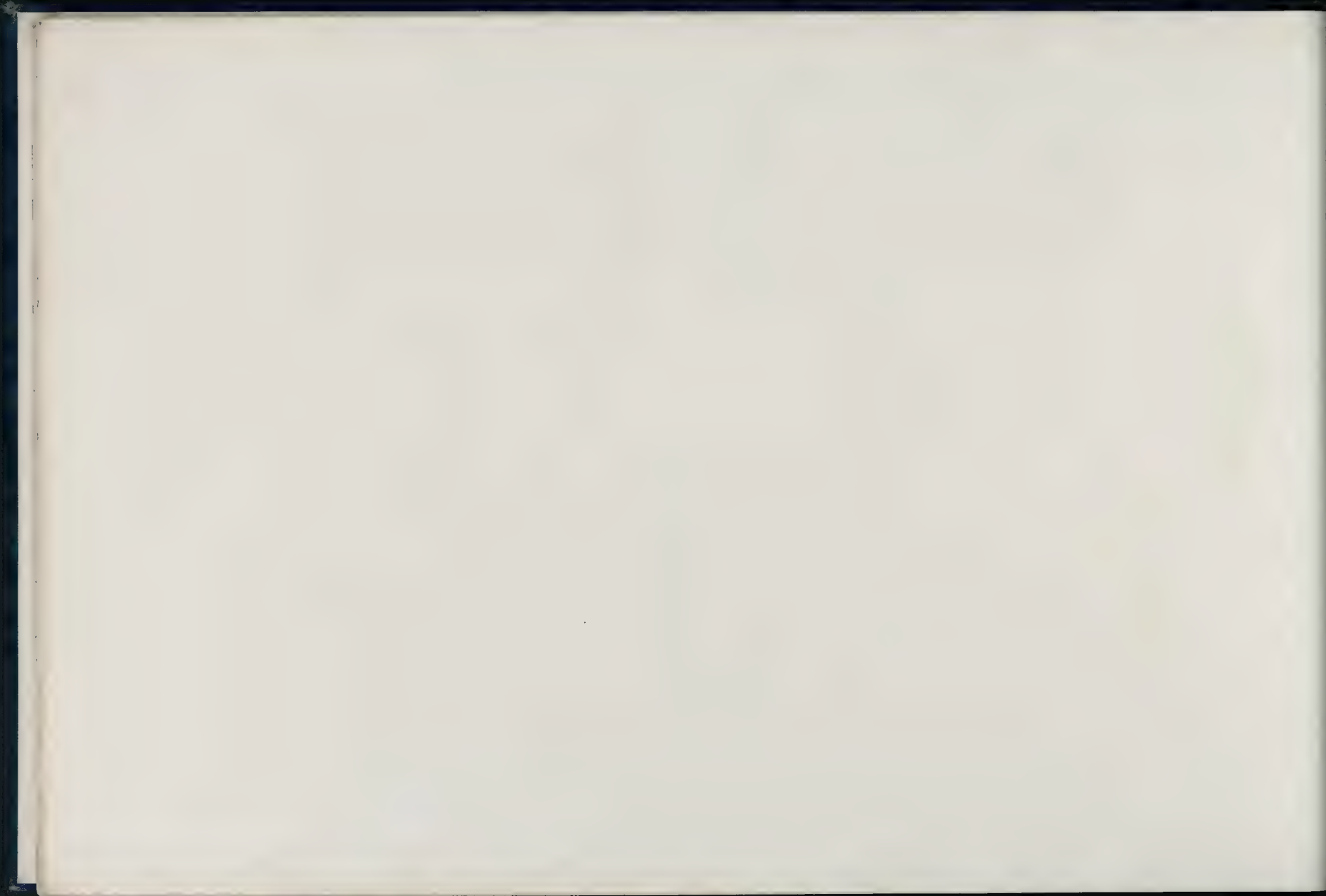


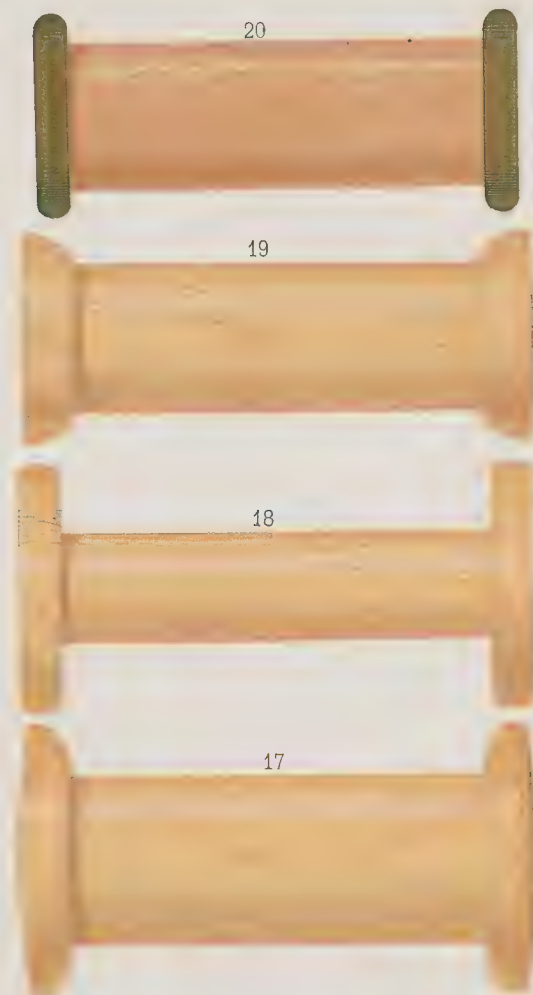
FLYER DOUBLER BOBBINS, GASSING AND CLEARER BOBBINS, AS MADE BY WILSON BROS., LIMITED.

GENERAL-VERTRETER:

A. BRICKWEDDE & CO., RHEINE IN WESTFALEN.

WORKS:—CORNHOLME MILL,
TODMORDEN.



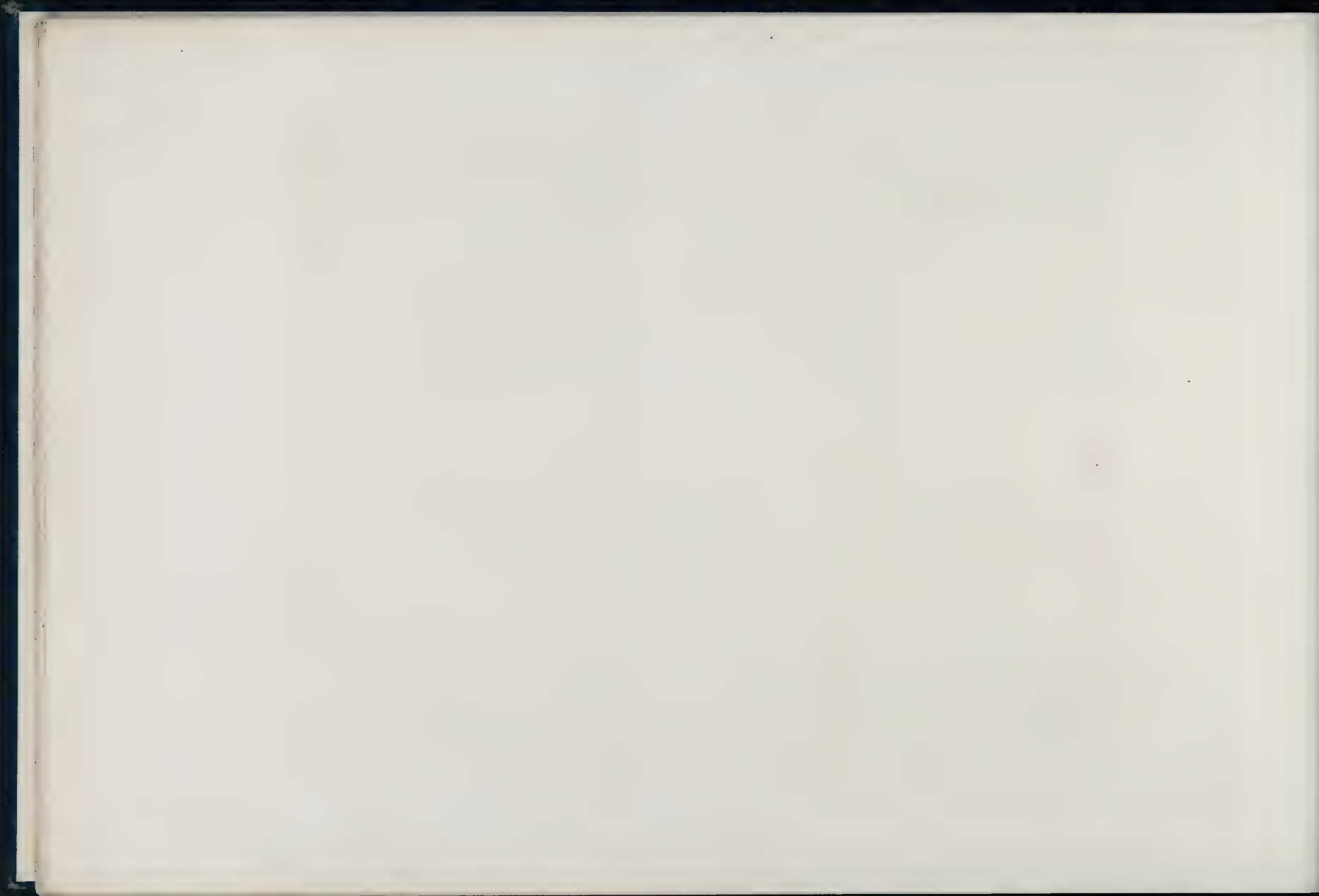


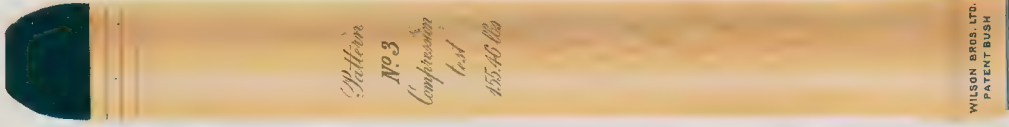
SILK BOBBINS, AS MADE BY WILSON BROS., LIMITED.

GENERAL-VERTRETER:

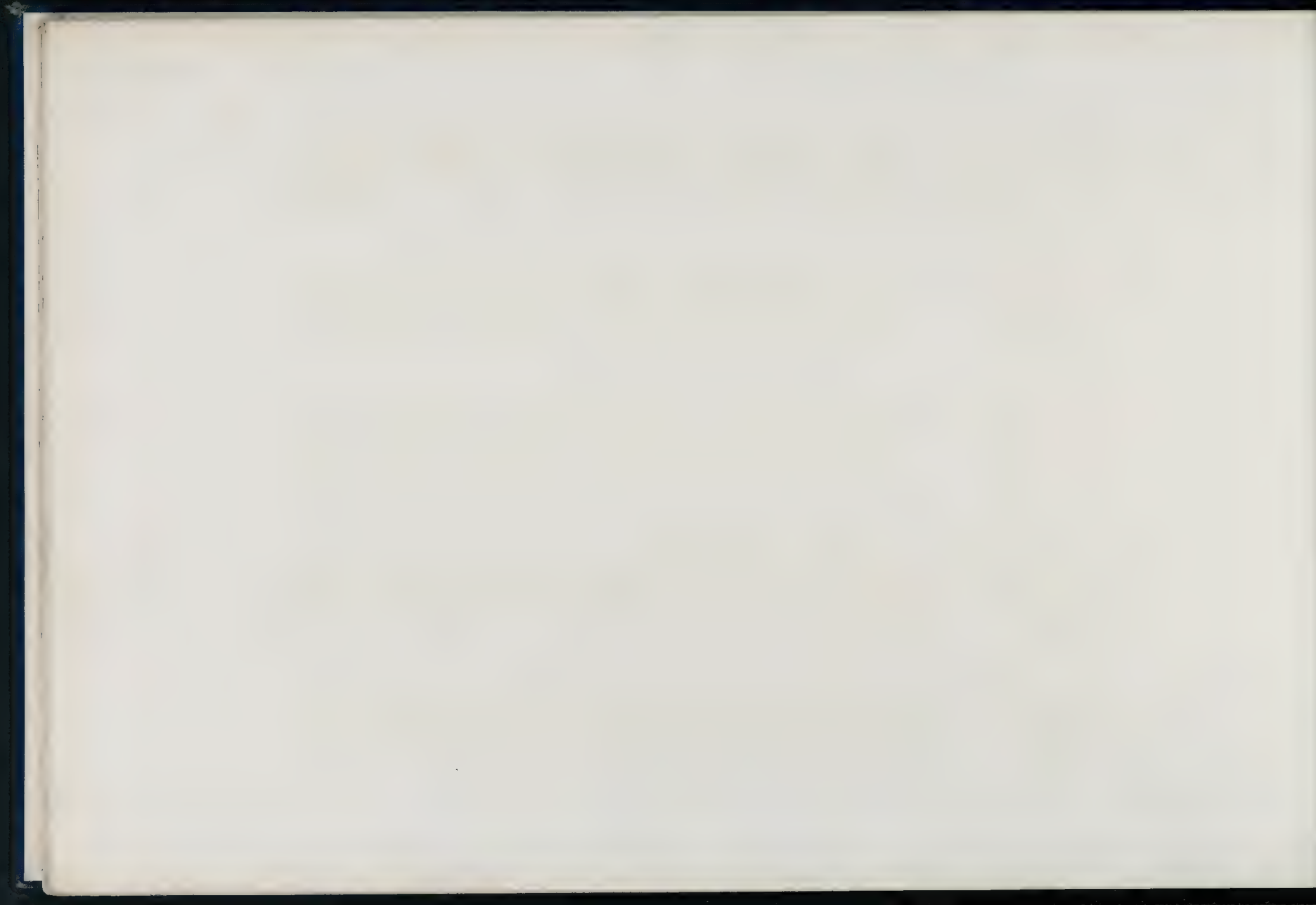
A. BRICKWEDDE & CO., RHEINE IN WESTFALEN.

WORKS:—CORNHOLME MILL,
TODMORDEN.





RING TWIST BOBBINS, AS MADE BY WILSON BROS., LIMITED,
 SHOWING THE APPLICATION OF THEIR PATENT STEEL AND BRASS SHIELD PROTECTORS.
 THE COMPRESSION TESTS HAVE BEEN MADE BY MR. CHARLES LANCASTER, ENGINEER, MARKET STREET, MANCHESTER.
 GENERAL-VERTRETER:
 A. BRICKWEDDE & CO., RHEINE IN WESTFALEN
 WORKS:—CORNHOLME MILL,
 TODMORDEN.





IMPROVED RING TWIST BOBBINS, BEADED, CONICAL, AND COMBINED BEAD AND CONE,
AS MADE BY WILSON BROS., LIMITED,

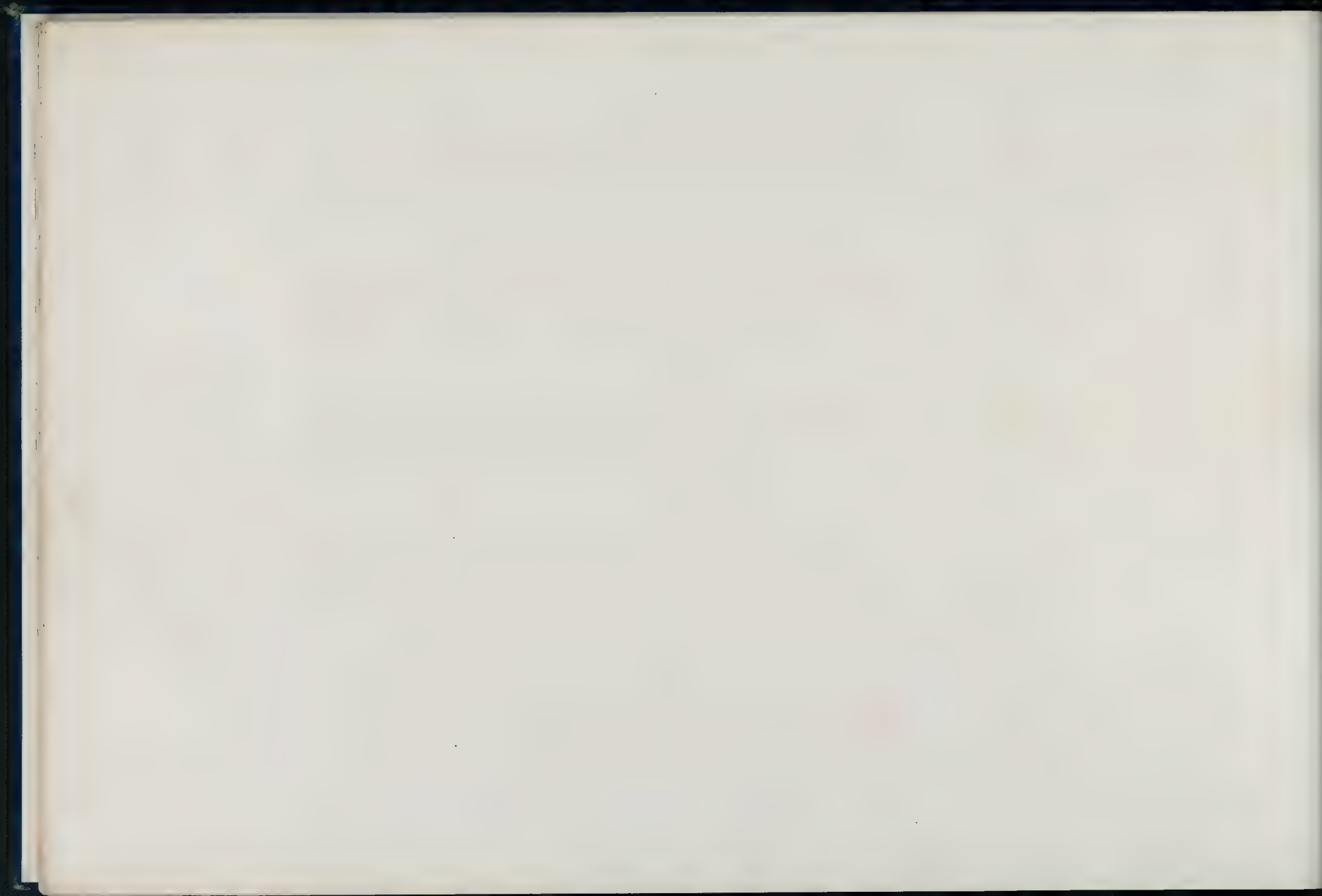
SHOWING THE APPLICATION OF THEIR PATENT STEEL AND BRASS SHIELD PROTECTORS,
THE COMPRESSION TESTS HAVE BEEN MADE BY MR. CHARLES LANCASTER, ENGINEER, MARKET STREET, MANCHESTER

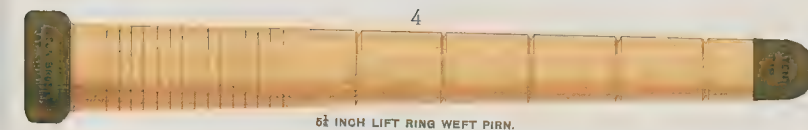
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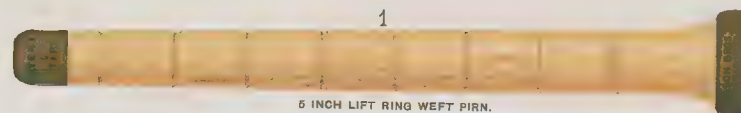
A. BRICKWEDDE & Co., RHEINE IN WESTFALEN.

WORKS:—CORNHOLME MILL,
TODMORDEN.





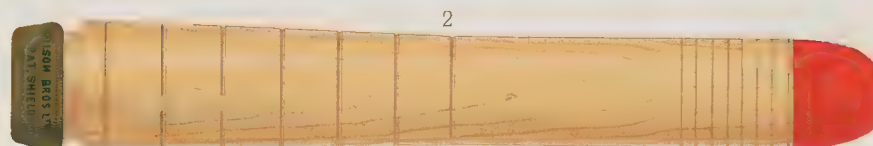
5½ INCH LIFT RING WEFT PIRN.



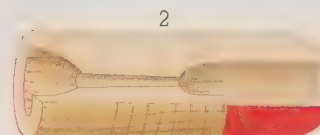
5 INCH LIFT RING WEFT PIRN.



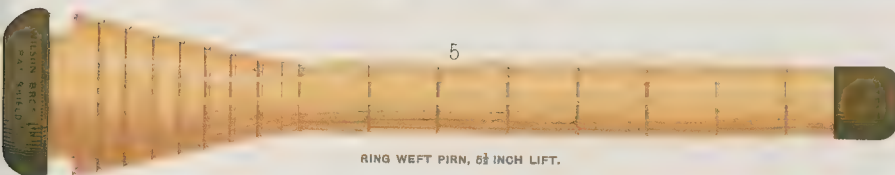
SECTION.



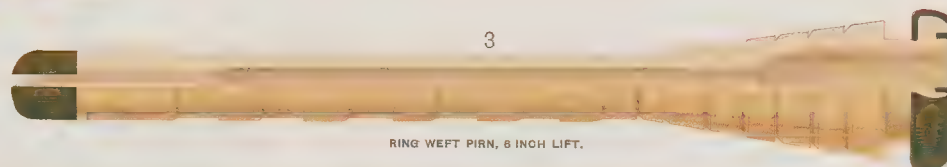
ORDINARY RING BOBBIN MADE TO FIT SHUTTLE FOR WEAVING.



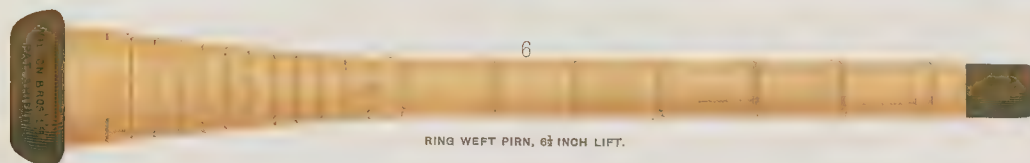
SECTION.



RING WEFT PIRN, 5½ INCH LIFT.



RING WEFT PIRN, 6 INCH LIFT.



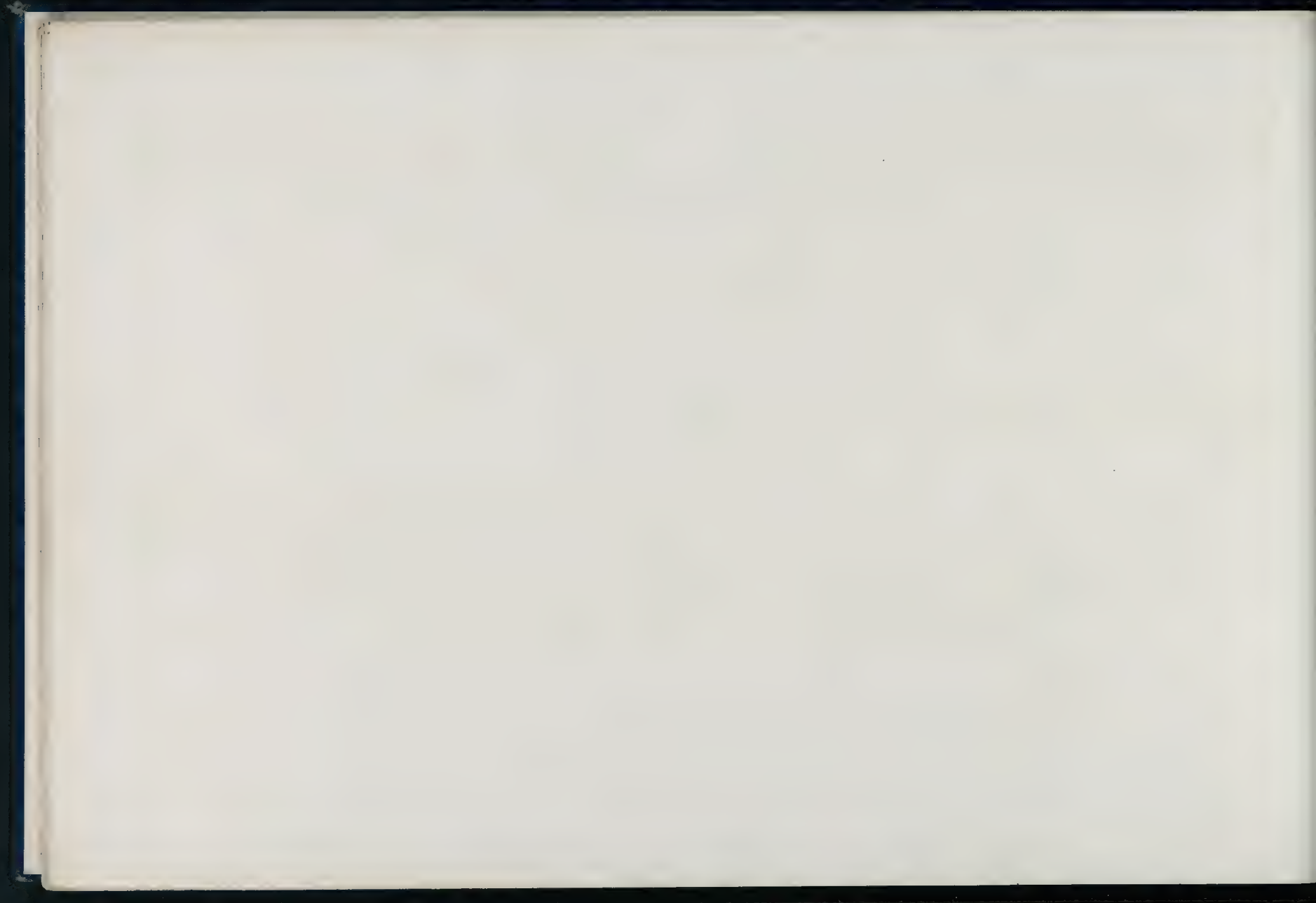
RING WEFT PIRN, 6½ INCH LIFT.

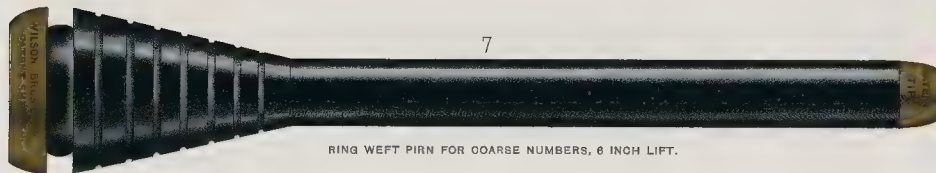
RING WEFT PIRNS, AS MADE BY WILSON BROS., LIMITED, SHOWING THE
APPLICATION OF THEIR PATENT SHIELDS AND TIPS.

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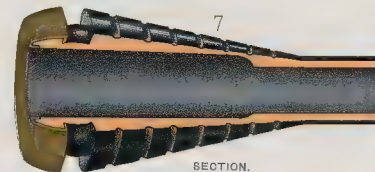
GENERAL-VERTEILER:
A. BRICKWEDDE & CO., RHEINE IN WESTFALEN.

WORKS:--CORNHOLME MILL,
TODMORDEN.

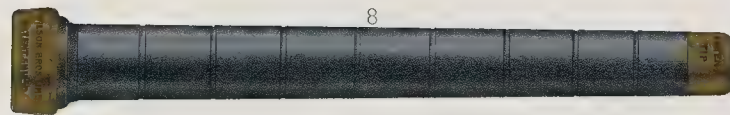




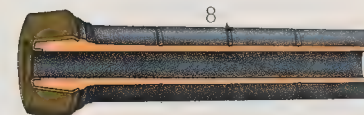
RING WEFT PIRN FOR COARSE NUMBERS, 6 INCH LIFT.



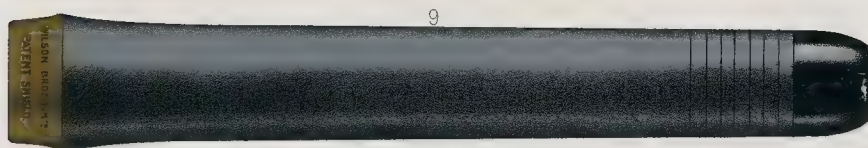
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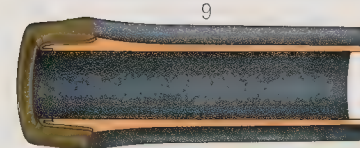
RING WEFT PIRN FOR MEDIUM NUMBERS, 5 INCH LIFT.



SECTION.



RING TWIST BOBBIN, 5 INCH LIFT.



SECTION.

PATENT ENAMELLED BOBBINS, AS MADE BY WILSON BROS., LIMITED.

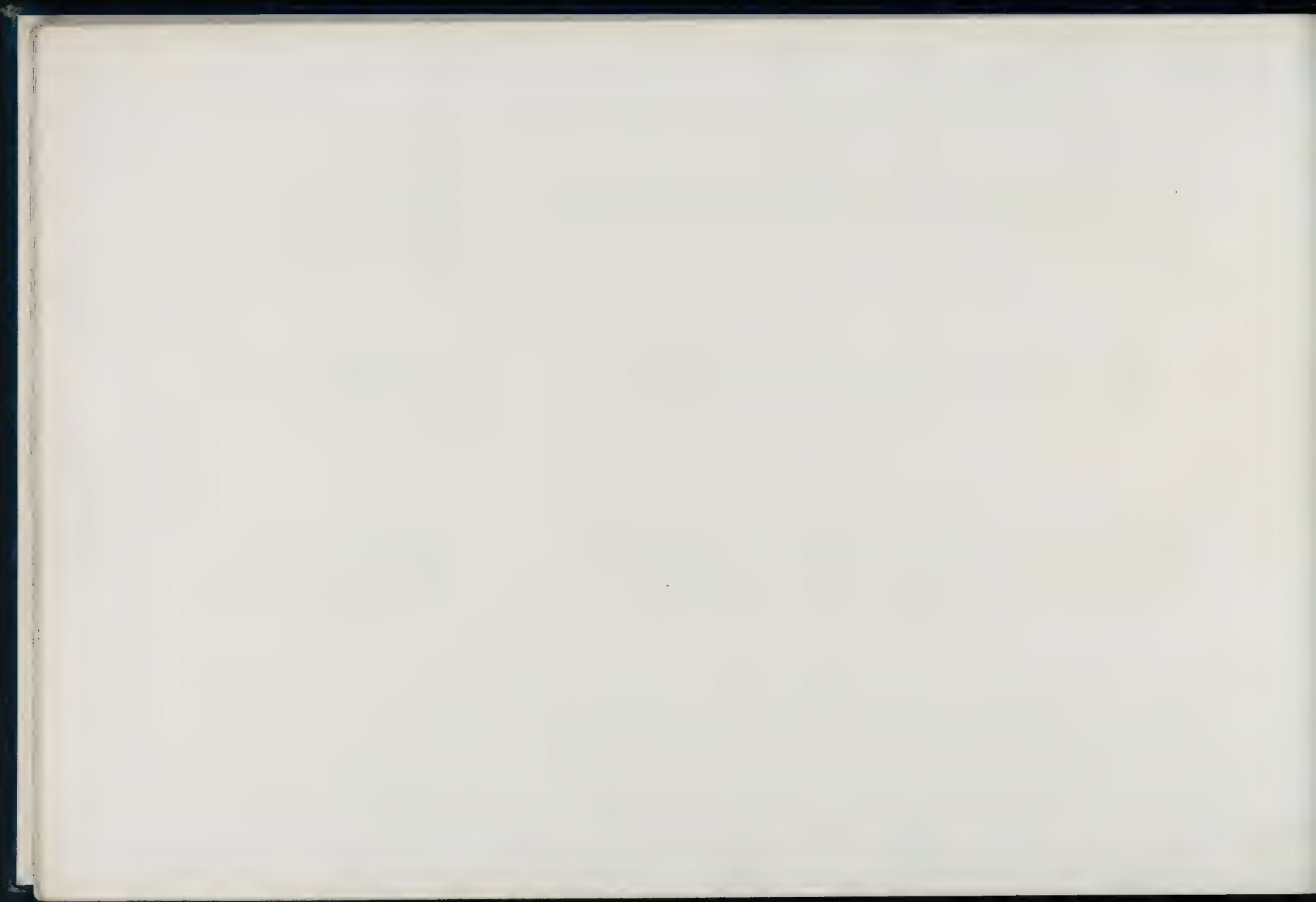
BY A NEW PATENT PROCESS, WOOD BOBBINS ARE COMPLETELY COVERED, BOTH INSIDE AND OUTSIDE, WITH HARDENED ENAMEL THAT WILL NOT CRACK OR BECOME ADHESIVE. THEY EFFECTUALLY RESIST THE ACTION OF STEAM AND MOISTURE REQUIRED IN CONDITIONING YARN. IMPOSSIBLE TO WARP OR TWIST FROM REPEATED STEAMING. REFERENCES TO USERS IN GREAT BRITAIN, AMERICA, AND THE CONTINENT.

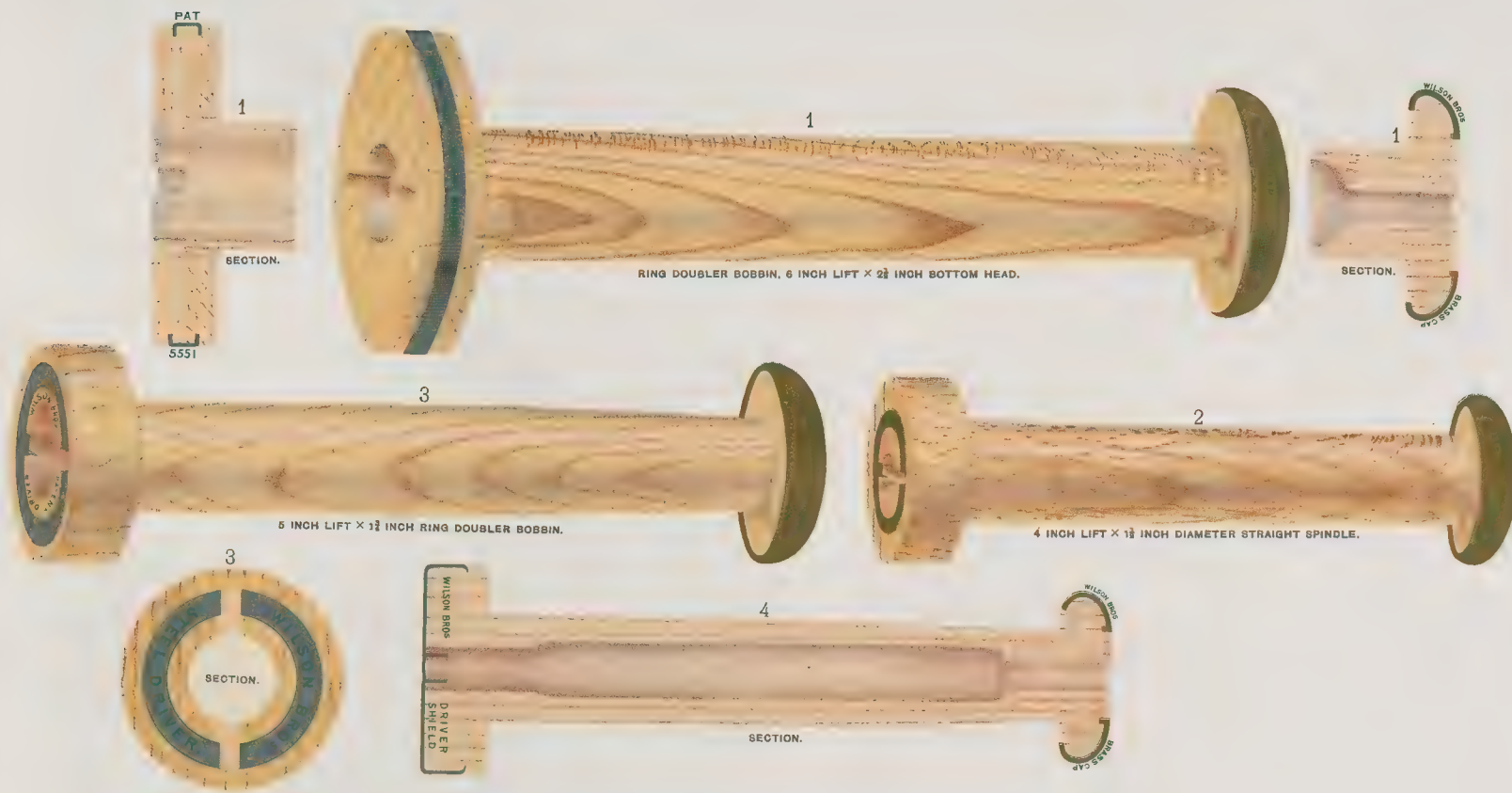
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GENERAL-VERTRETER:

A. BRICKWEDDE & CO., RHEINE IN WESTFALEN.

WORKS:—CORNHOLME MILL,
TODMORDEN.



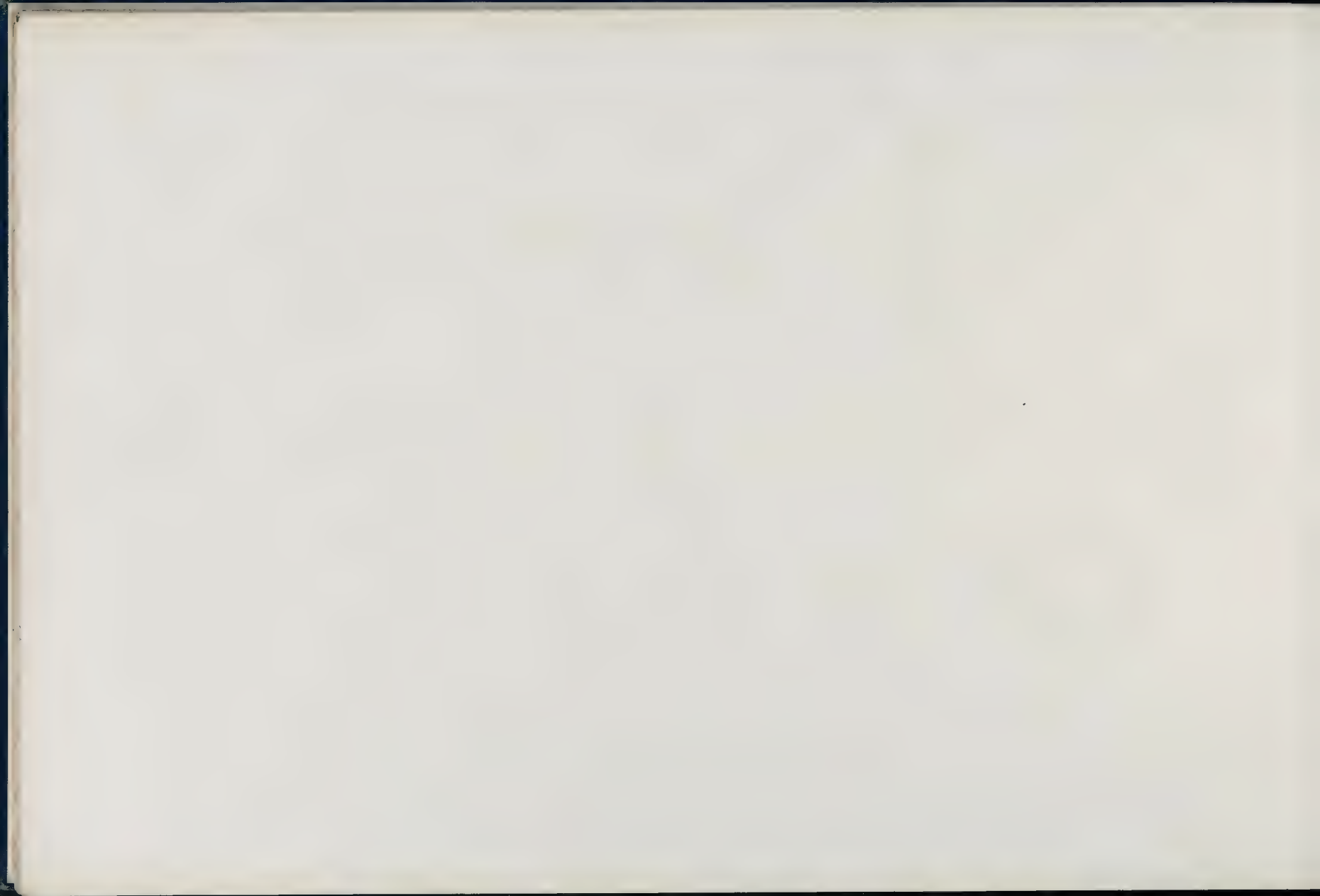


RING DOUBLER BOBBINS, AS MADE BY WILSON BROS., LIMITED.
 SHOWING THE APPLICATION OF THEIR PATENT FLANGE BINDER AND PROTECTOR FOR DRIVING SLOT.

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 London & Berlin, 20th Dec. 1900.

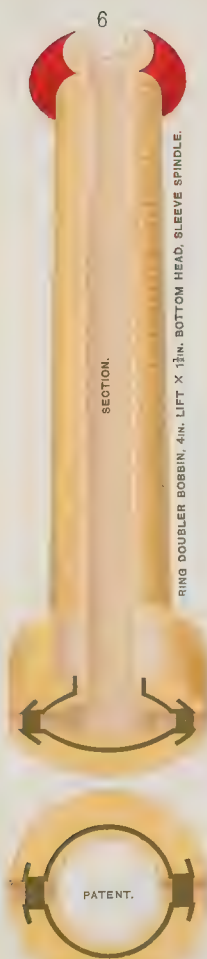
GENERAL-VERTEILER:
 A. BRICKWEDDE & CO., RHEINE IN WESTFALEN

WORKS:—CORNHOLME MILL,
 TODMORDEN.

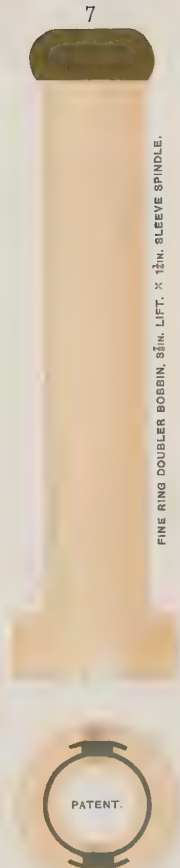




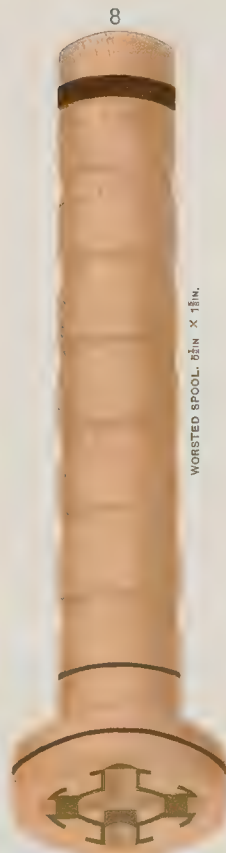
RING DOUBLER BOBBIN 5in. LIFT X 2in. BOTTOM HEAD, SLEEVE SPINDLE.



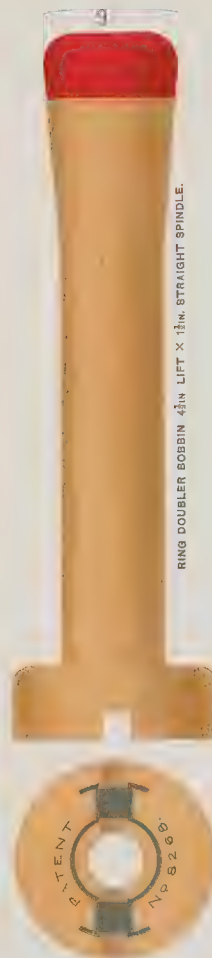
RING DOUBLER BOBBIN, 4in. LIFT X 1 1/2in. BOTTOM HEAD, SLEEVE SPINDLE.



FINE RING DOUBLER BOBBIN, 5 1/2in. LIFT X 1 1/2in. SLEEVE SPINDLE.



WORSTED SPOOL, 5 1/2in. LIFT X 1 1/2in.



RING DOUBLER BOBBIN 4 1/2in. LIFT X 1 1/2in. STRAIGHT SPINDLE.



RING DOUBLER BOBBIN, 4in. LIFT X 1 1/2in. BOTTOM, STRAIGHT SLEEVE.

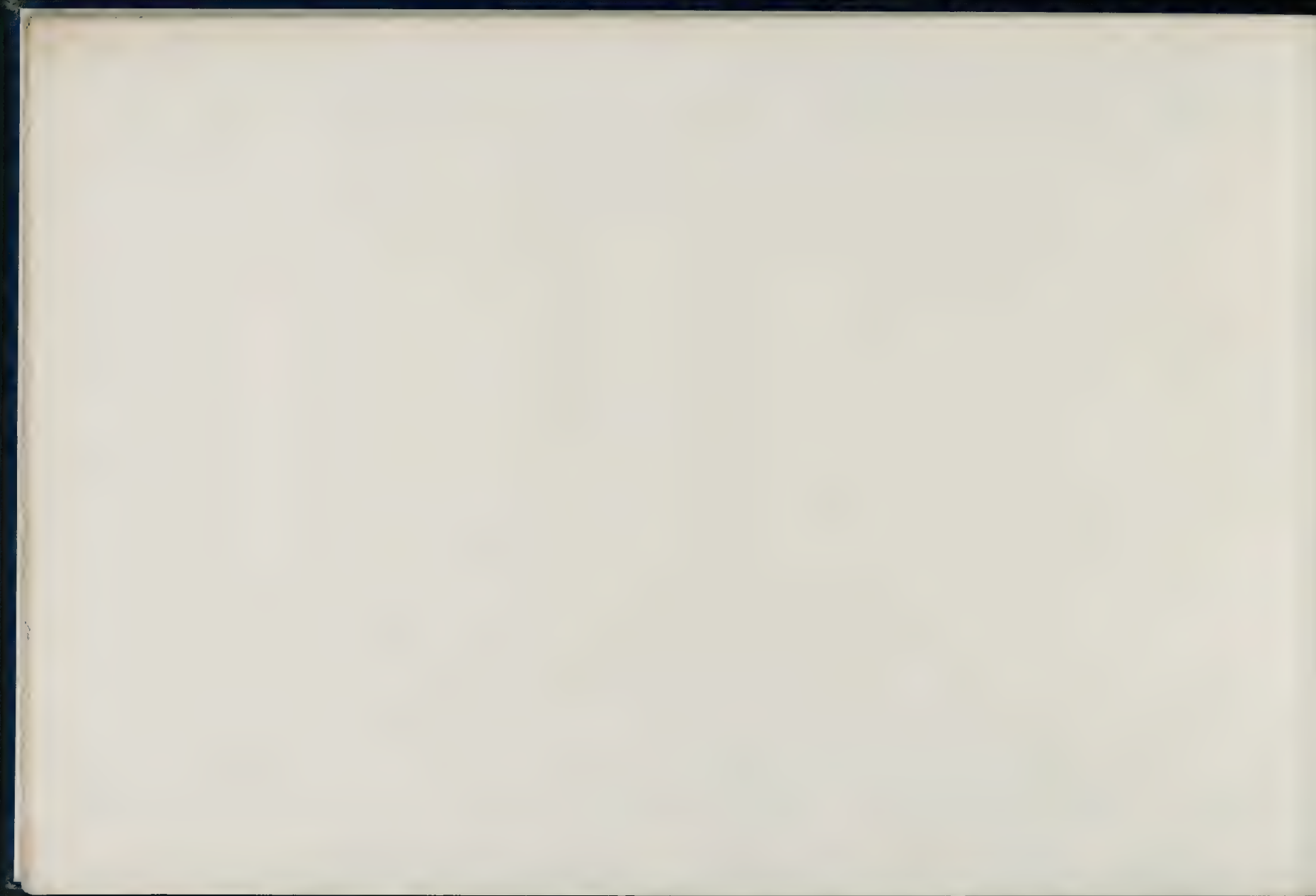


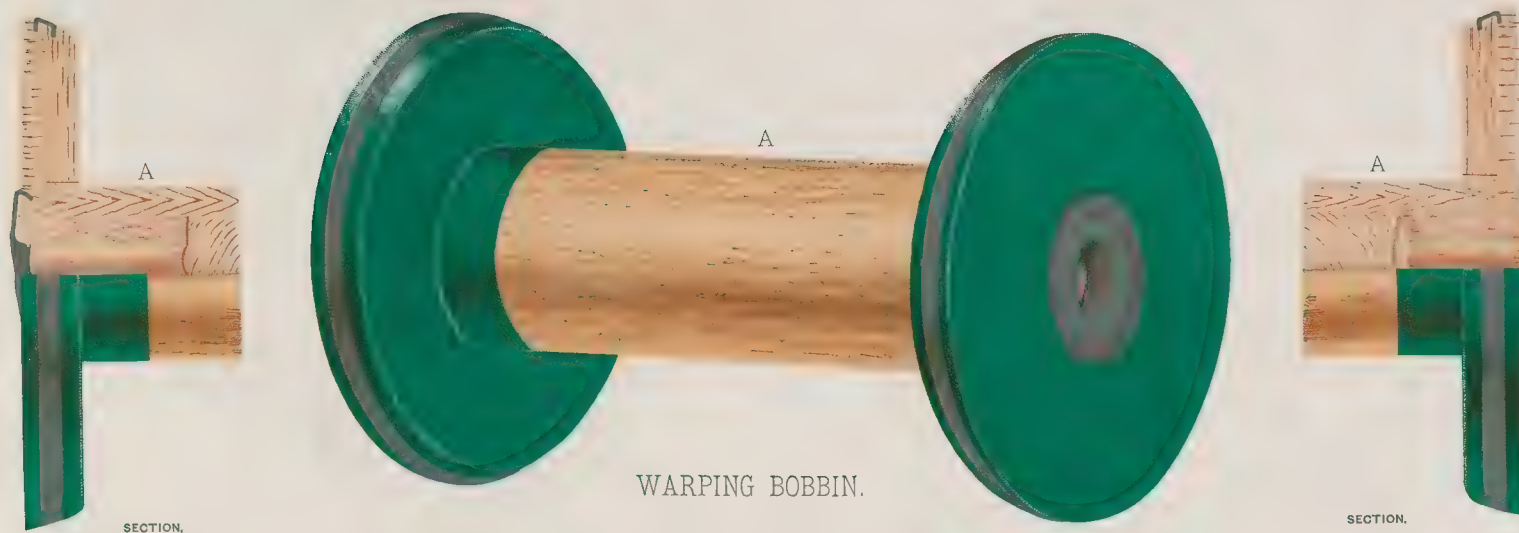
RING DOUBLER BOBBIN, 5in. LIFT X 1 1/2in. BOTTOM HEAD, STRAIGHT SPINDLE.

RING DOUBLER BOBBINS,
SHOWING WILSON BROS., LIMITED, NEW HOLDFAST DRIVING SLOT PROTECTOR,
MADE IN BRASS OR STEEL.

GENERAL-VERTRETER:
A BRICKWEDDE & CO. RHEINE IN WESTFALEN.

WORKS:-CORNHOLME MILL,
TODMORDEN.





WARPING BOBBIN.

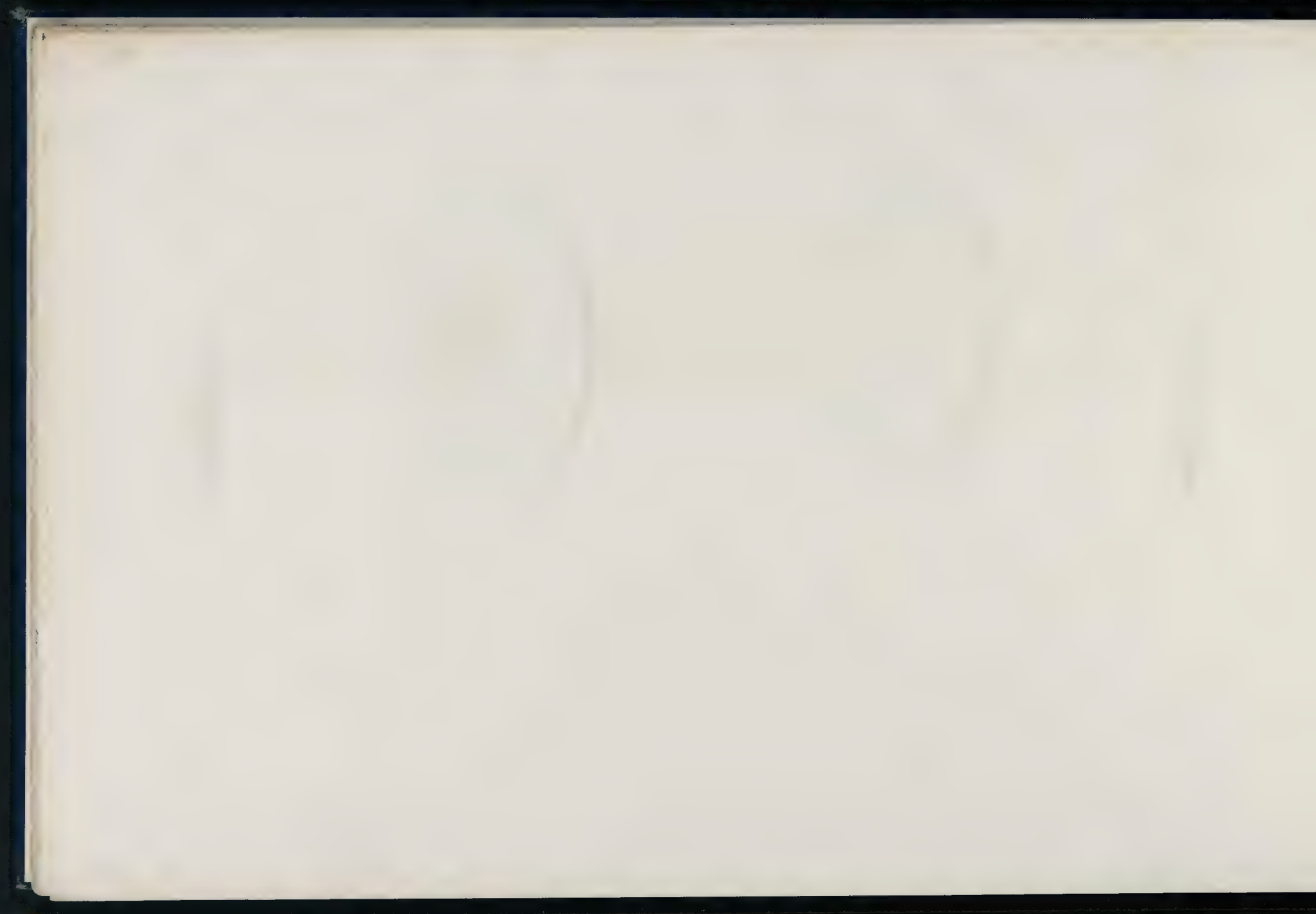
WITH PATENT BINDERS AND BUSH, 5 INCH LIFT \times $3\frac{1}{2}$ INCH HEADS \times $1\frac{1}{2}$ INCH BARREL.

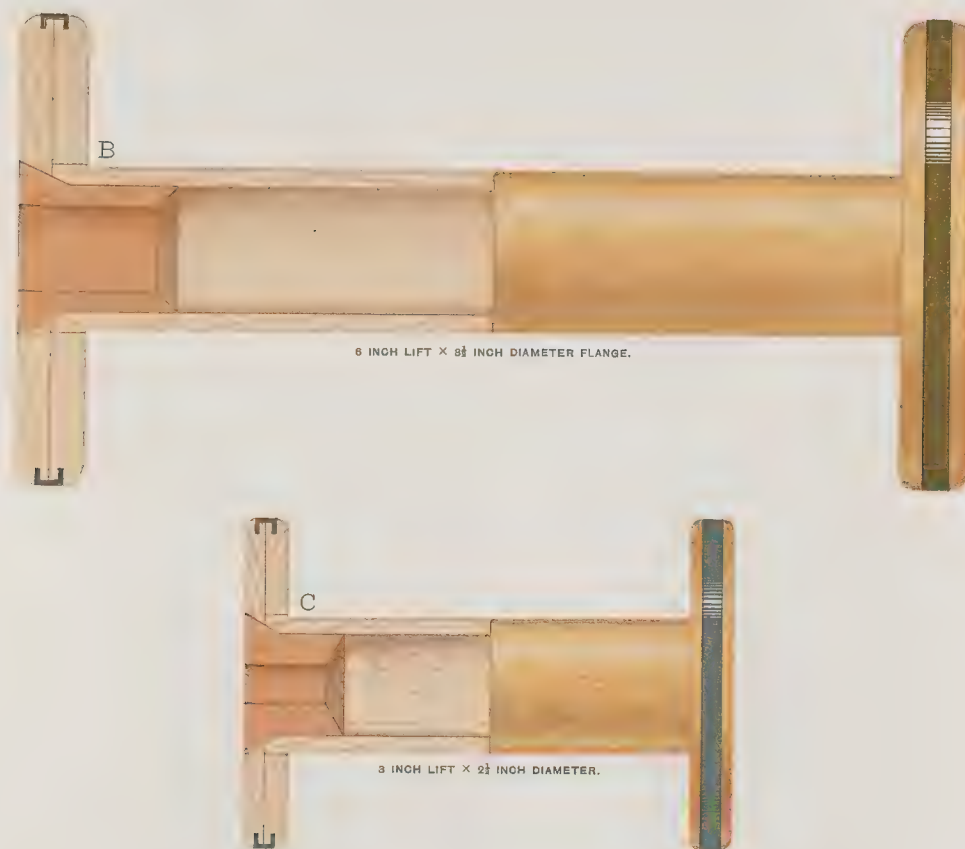
WARPING, WINDING, OR CREEL BOBBIN, WITH PATENT STEEL FLANGE BINDER.
AND STEEL PLATED BUSH, AS MADE BY WILSON BROS., LIMITED.
BOBBINS MADE ANY LENGTH OF LIFT, DIAMETER OF FLANGES OR BARREL.

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By A. Brickwedde & Co., Rheine in Westfalen.

GENERAL-VERTEILER:
A. BRICKWEDDE & CO., RHEINE IN WESTFALEN.

WORKS:—CORNHOLME,
TODMORDEN.





6 INCH LIFT X $8\frac{1}{2}$ INCH DIAMETER FLANGE.

3 INCH LIFT X $2\frac{1}{2}$ INCH DIAMETER.

WINDING AND CREEL BOBBINS, AS MADE BY WILSON BROS., LIMITED,
SHOWING THE APPLICATION OF THEIR PATENT FLANGE BINDER IN BRASS OR STEEL.

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GENERAL-VERTRETER:

A. BRICKWEDDE & CO., RHEINE IN WESTFALEN

WORKS:—CORNHOLME MILL,
TODMORDEN.

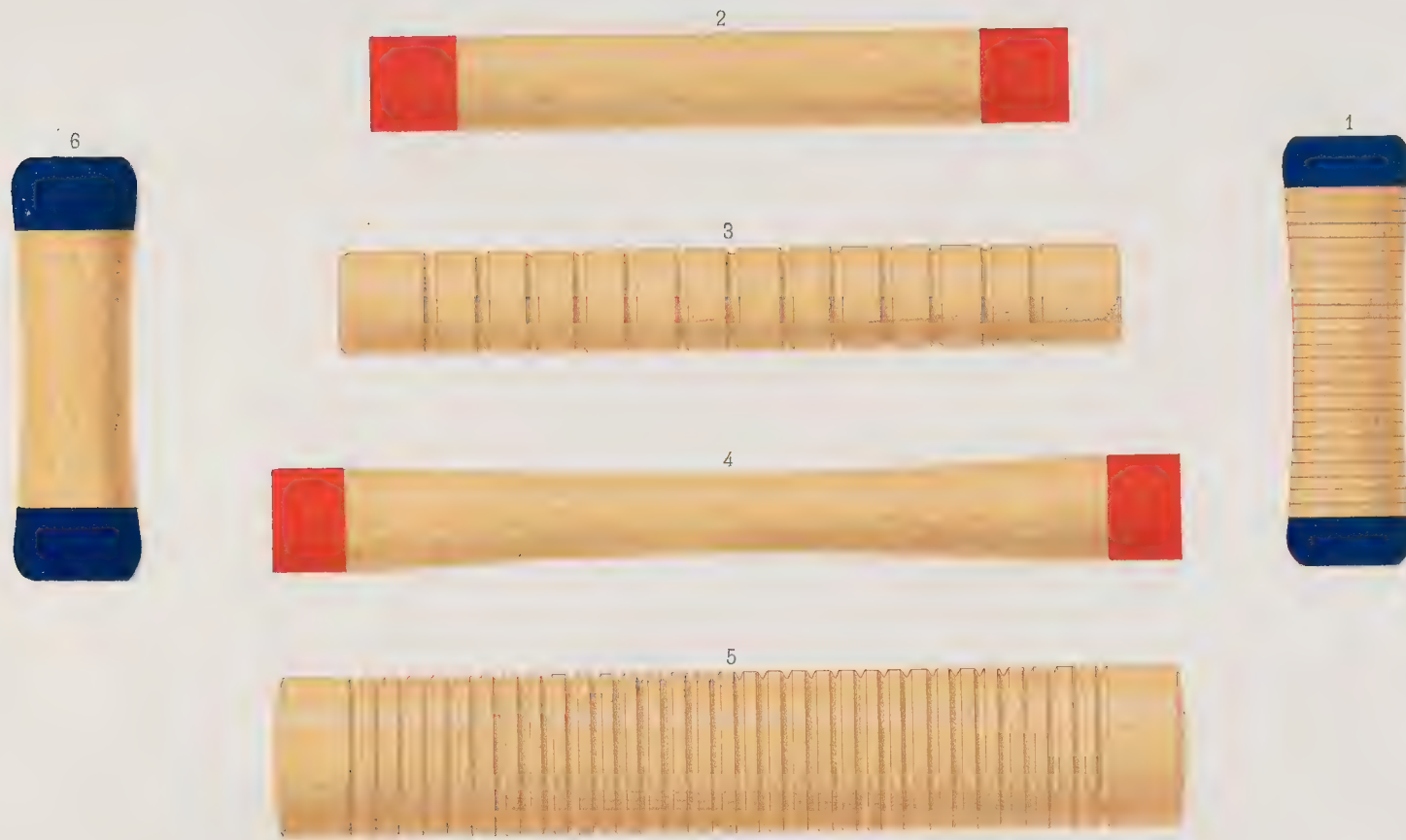


THREAD, SILK, AND WOOLLEN WINDING BOBBINS, AS MADE BY WILSON BROS., LIMITED,
WITH THEIR PATENT STEEL AND BRASS FLANGE BINDER.

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Printed & Published by William Mitchell & Co., Ltd., 15, Abchurch Lane, London, E.C. 4.

GENERAL-VERTEILER:
A. BRICKWEDDE & CO., RHEINE IN WESTFALEN

WORKS:—CORNHOLME MILL,
TODMORDEN.

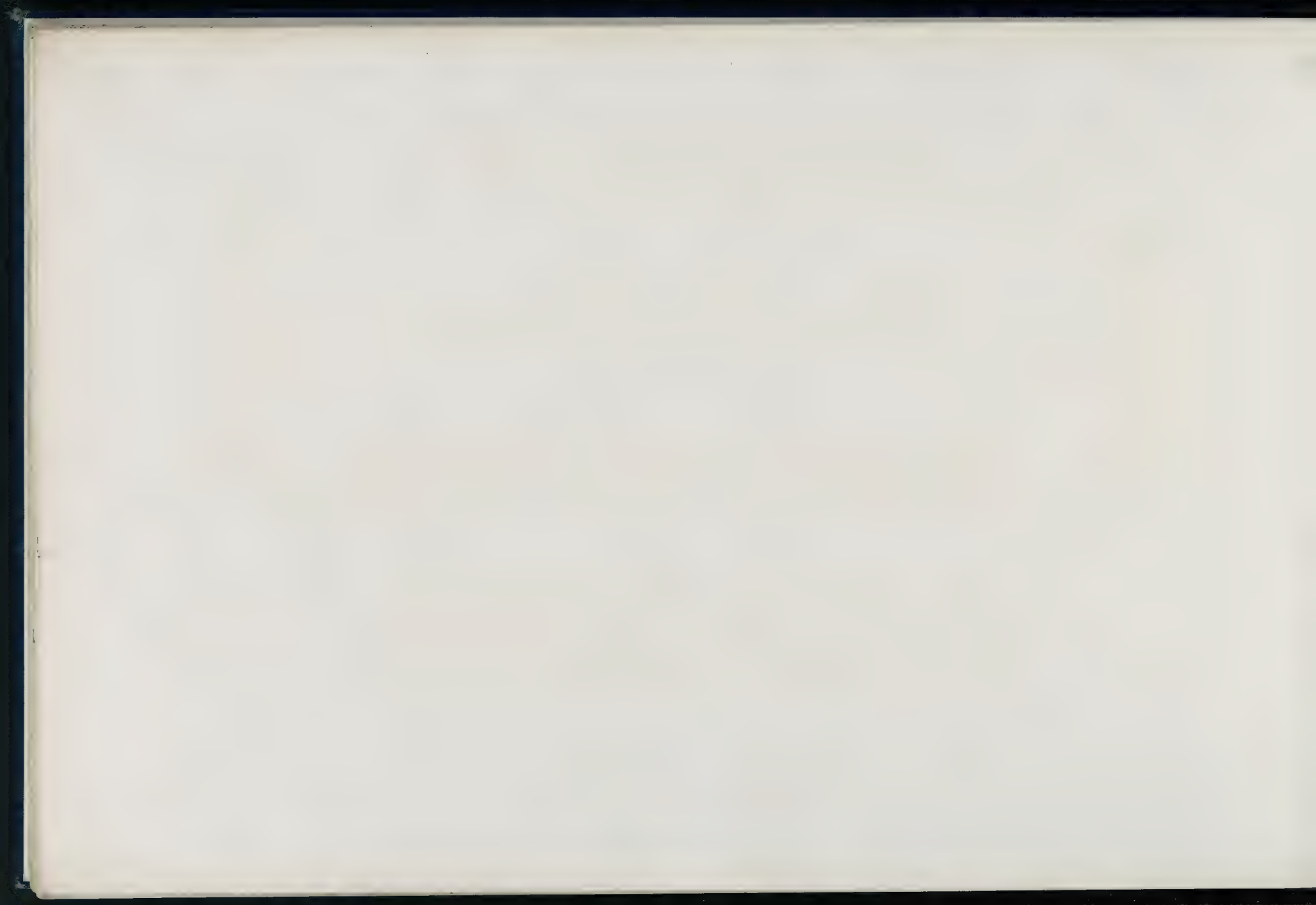


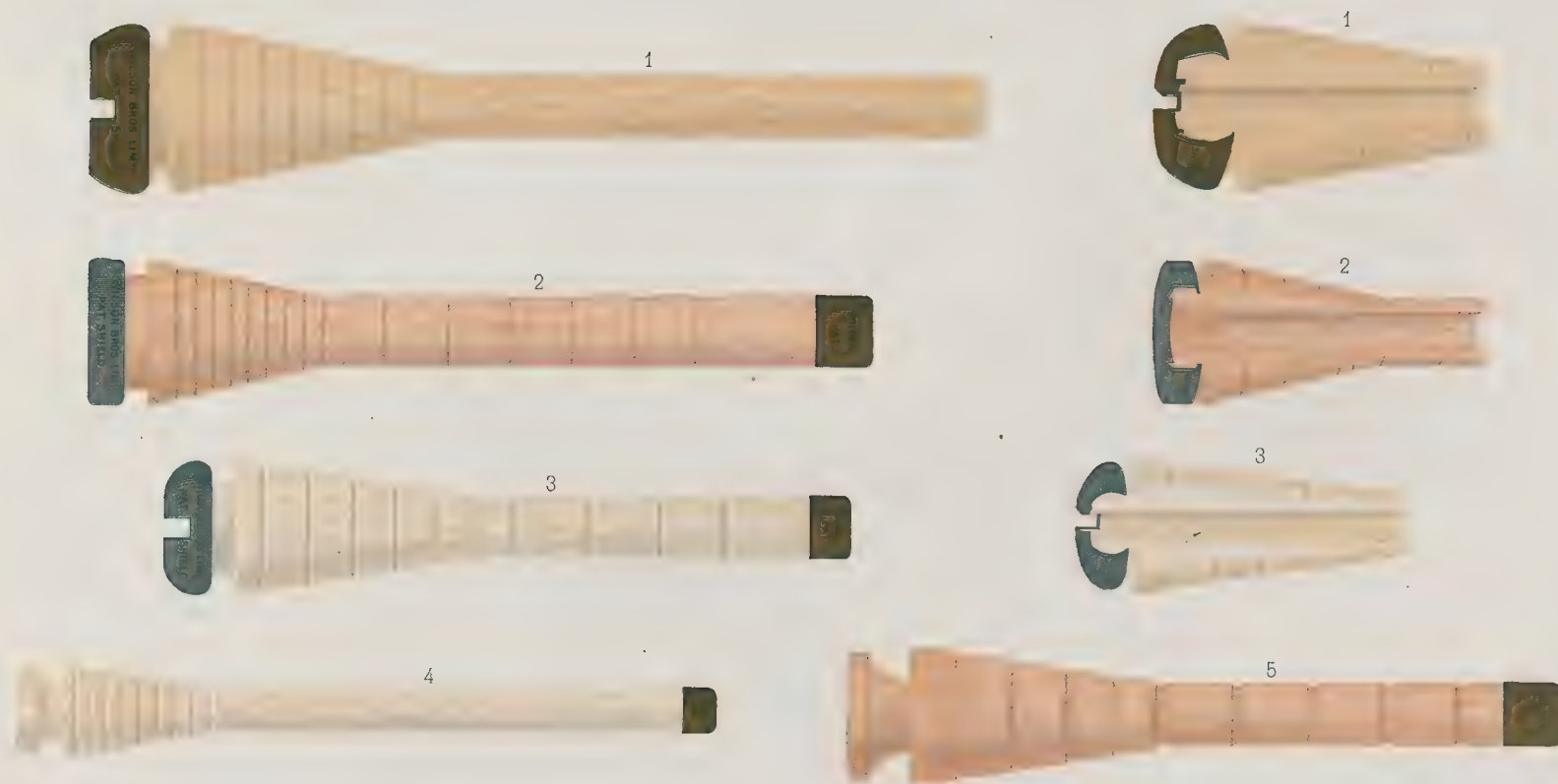
CROSS WINDING AND GASSING TUBES, AS MADE BY WILSON BROS., LIMITED.

GENERAL-VERTRETER:

A. BRICKWEDDE & CO., RHEINE IN WESTFALEN.

WORKS:—CORNHOLME MILL,
TODMORDEN.



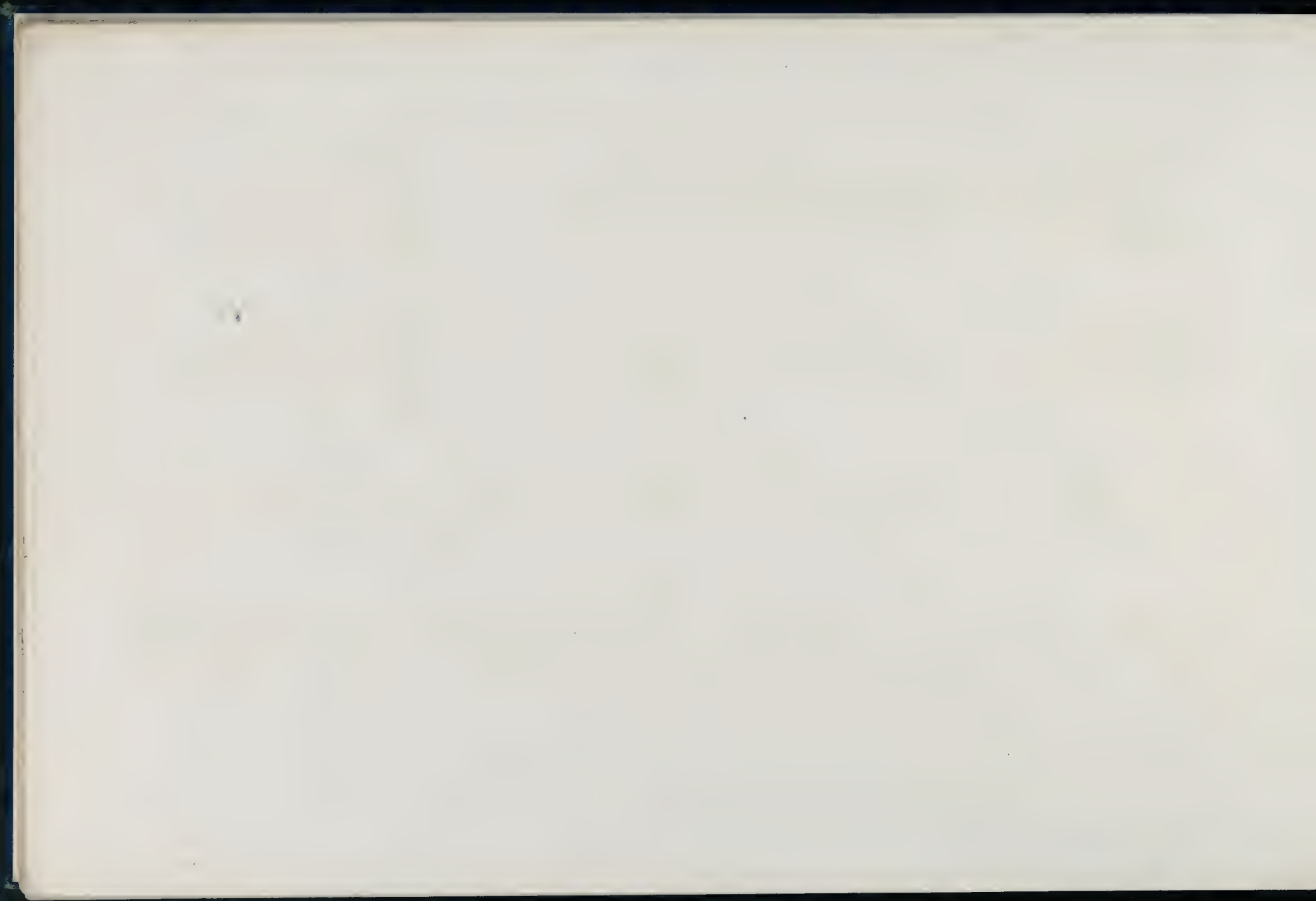


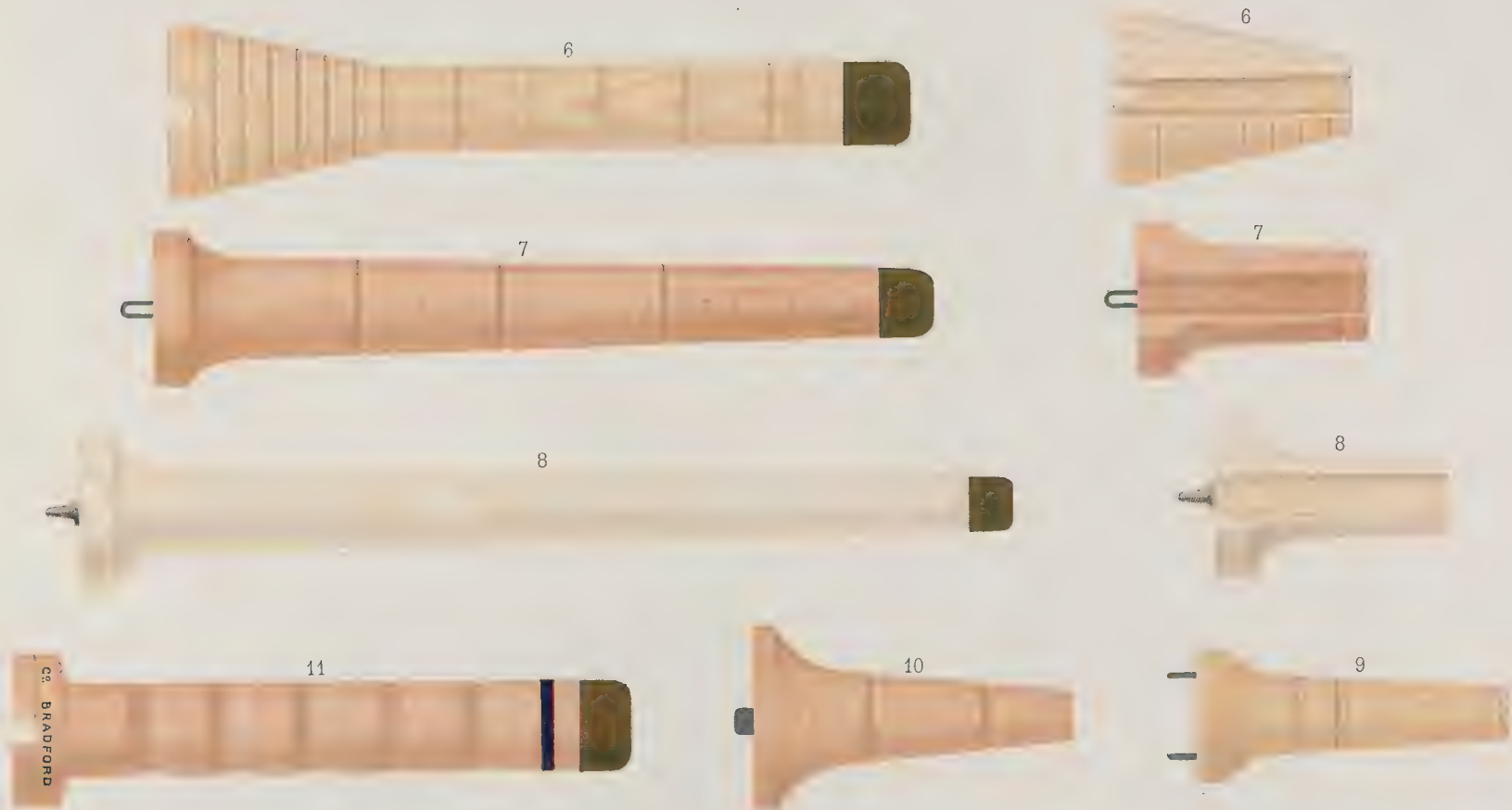
SHUTTLE PIRNS, AS MADE BY WILSON BROS., LIMITED, WITH THEIR
PATENT SHIELDS AND TIPS IN STEEL OR BRASS.

GENERAL-VERTRETER:

A. BRICKWEDDE & CO., RHEINE IN WESTFALEN.

WORKS:—CORNHOLME MILL,
TODMORDEN.





WOOLLEN AND WORSTED PIRNS AND SPOOLS, AS MADE BY WILSON BROS., LIMITED,
WITH PATENT BRASS OR STEEL TIPS.

GENERAL-VERTRERER:

A. BRICKWEDDE & CO., RHEINE IN WESTFALEN.

WORKS:—CORNHOLME MILL,
TODMORDEN.



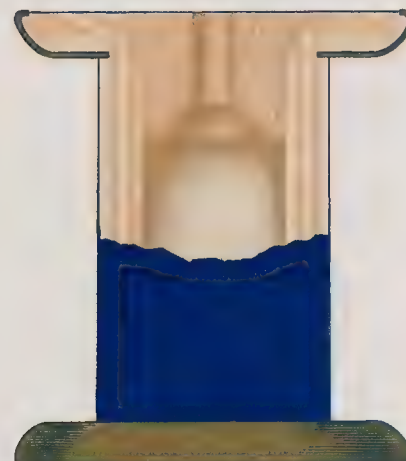
SHUTTLES IN BOX WOOD, CORNEL WOOD, AND PERSIMMON WOOD.

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Printed and Published by A. Brickwedde & Co., Rheine in Westfalen.

GENERAL-VERTRETER:

A. BRICKWEDDE & CO., RHEINE IN WESTFALEN

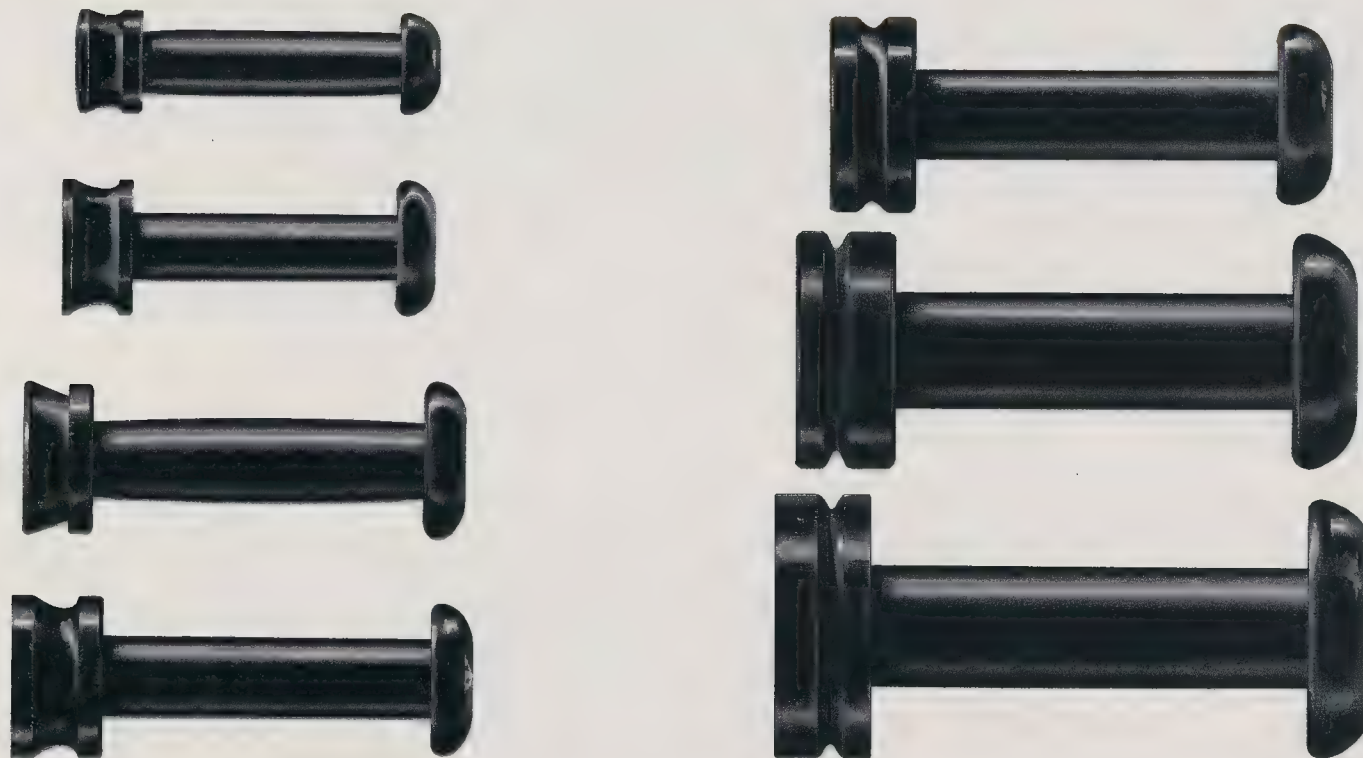
WORKS:—CORNHOLME MILL,
TODMORDEN.



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ROVING AND WINDING BOBBINS, MADE BY WILSON BROS., LIMITED, WITH
 NEW HOLDFAST PROTECTOR FOR PREVENTING WEAR CAUSED BY THE DRIVING LUGS OR PEGS.
 GENERAL-VERTRETER: A. BRICKWEDDE & CO., RHEINE IN WESTFALEN. WORKS:—CORNHOLME MILL,
 TODMORDEN.





PATENT ENAMELLED BOBBINS, AS MADE BY WILSON BROTHERS BOBBIN COMPANY, LIMITED.

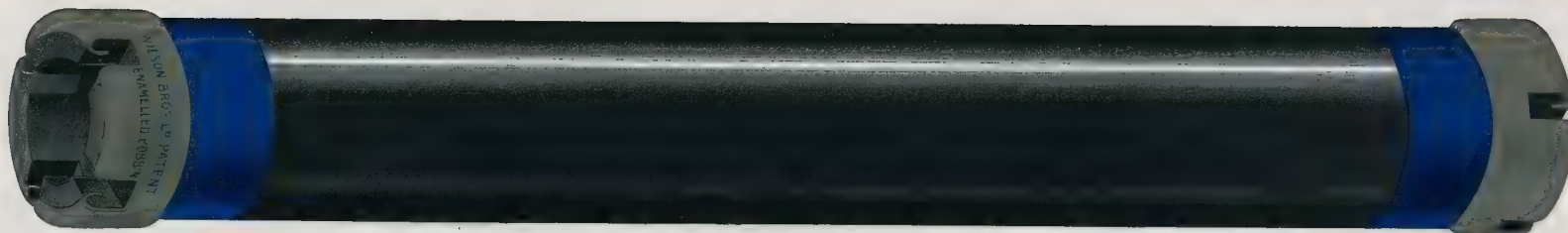
BY A NEW PATENT PROCESS WOOD BOBBINS ARE COMPLETELY COVERED, BOTH INSIDE AND OUTSIDE, WITH HARDENED ENAMEL THAT WILL NOT CRACK OR BECOME ADHESIVE. THEY EFFECTUALLY RESIST THE ACTION OF STEAM AND MOISTURE REQUIRED IN CONDITIONING YARN. IMPOSSIBLE TO WARP OR TWIST FROM REPEATED STEAMING. REFERENCES TO USERS IN GREAT BRITAIN, AMERICA, AND THE CONTINENT.

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GENERAL-VERTEPRER:

A. BRICKWEDDE & CO., RHEINE IN WESTFALEN

WORKS:—CORNHOLME MILL,
TODMORDEN.



PATENT ENAMELLED TUBES, SOLE LICENSED MAKERS, WILSON BROS., LIMITED.

BY A NEW PATENT PROCESS WOOD TUBES AND BOBBINS ARE COMPLETELY COVERED, BOTH INSIDE AND OUTSIDE, WITH HARDENED ENAMEL THAT WILL NOT CRACK NOR BECOME ADHESIVE.

EMINENTLY ADAPTED FOR WARM CLIMATE AND MOIST ATMOSPHERE. CANNOT BE DAMAGED BY WATER DURING TRANSIT.

GENERAL-VERTRETER:

A BRICKWEDDE & CO., RHEINE IN WESTFALEN

WORKS:—CORNHOLME MILL,
TODMORDEN.

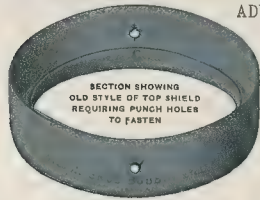
PATENT. "CORNHOLME SHIELD." PATENT.

SHEET No. 24.

LEVEL ENDED TUBES WITH TOP SHIELD HAVE OFTEN CAUSED ANNOYANCE AND LOSS BECAUSE THE EDGE OF THE METAL HAS AFTER A TIME RISEN ABOVE THE WOOD, THUS PREVENTING THE USEFUL ADVANTAGES OF A STRAIGHT ENDED TUBE, AND IN MANY INSTANCES THE JOINT BETWEEN THE METAL AND WOOD HAS CAUSED THE SAME TROUBLE. THE "CORNHOLME SHIELD" OBVIATES THESE DEFECTS, FOR

WHICH WE CLAIM THE FOLLOWING ADVANTAGES:—

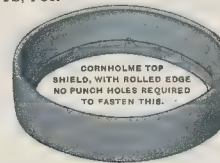
1. THE ROLLED BEADED EDGE "A" OF THE SHIELD BEING TWOFOLD CANNOT BY CONTINUAL USAGE LIFT OR RISE ABOVE THE WOOD, BUT WILL ALWAYS RETAIN A SMOOTH EVEN SURFACE.
2. THE SMOOTH ROLLED EDGE FORMED BY TURNING OVER THE METAL MAKES A PERFECTLY CLOSE JOINT BETWEEN THE WOOD AND METAL.



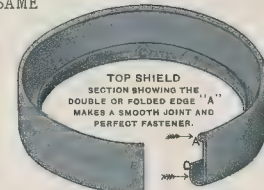
207



208



209



210

3. THE SHOULDER "A" FORMED BY THE DOUBLE EDGE IS A RELIABLE FASTENER AND CAN BE DEPENDED UPON.



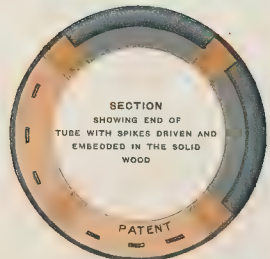
200

4. THE "CORNHOLME SHIELD" DISPENSES WITH THE PUNCH HOLES AS A FASTENER. SUCH HOLES WEAKEN THE SHIELD AND PRESS IT OUT OF SHAPE.



202

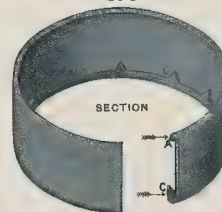
IMPROVEMENTS IN METAL SHIELDS.



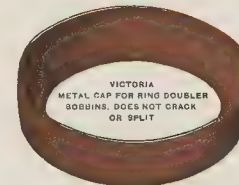
203



204



205



206

PATENT "CORNHOLME SHIELD."

HITHERTO TUBES AND BOBBINS HAVE REQUIRED A GROOVE TO BE CUT FOR THE INTERNAL FLANGE, "C, FIG. 207," TO ENTER THE WOOD, THUS THE ONLY SOURCE OF ADHESION AT THIS POINT CONSISTED OF FRICTIONAL CONTACT OF THE TWO SMOOTH SURFACES. THE SHIELD WAS, THEREFORE, LIABLE TO LOOSEN AND TURN ROUND. TO REMEDY THIS WE HAVE MADE FLANGE "C, FIG. 203," WITH A SERIES OF TEETH OR SPIKES WHICH ARE DRIVEN INTO THE SOLID WOOD, SEE SECTION 202. THUS SECURELY NAILING THE SHIELD INTO POSITION. ALL BOBBINS FITTED WITH ABOVE CLASS OF SHIELDS ARE GUARANTEED.

GENERAL-VEKHESTER:

EXCLUSIVE MAKERS: WILSON BROTHERS BOBBIN COMPANY, LIMITED,

CORNHOLME MILLS, TODMORDEN.

SHEET No. 25.

GENERAL-VERTRETER:

A. BRICKWEDDE & CO.,

RHEINE IN WESTFALEN.



WILSON BROTHERS BOBBIN COMPANY, LIMITED, BOBBIN & SHUTTLE MANUFACTURERS, CORNHOLME MILLS, TODMORDEN.
LARGE MAKERS OF ALL KINDS OF SKEWERS, BROACHES AND CREEL PEGS.
IN THE MANUFACTURE OF SKEWERS, ESPECIALLY COP AND TWINERS, WE MAKE A RULE TO BUY ONLY THE CELEBRATED $\frac{1}{6}$ BRAND OF
LANCEWOOD, NOTED AND KNOWN TO BE THE VERY BEST AND TOUGHEST OF ITS KIND.

POSTAL ADDRESS:
CORNHOLME MILLS,
TODMORDEN.

OFFICE DAILY:
14, MARKET PLACE, OFF MARKET STREET,
MANCHESTER.

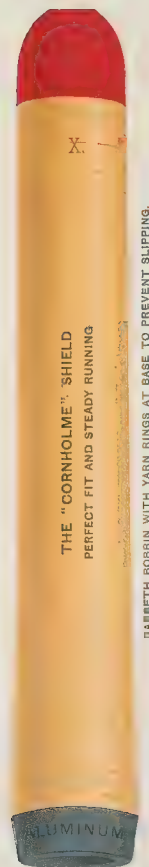
NEW WORKS:
ATLAS BOBBIN WORKS,
GARSTON, LIVERPOOL.

IMPROVEMENTS IN METAL SHIELDS.

THE DOUBLE OR ROLLED OVER EDGE, A, OF THE METAL ADDS TO STRENGTH AND RIGIDITY OF THE SHIELD AND MAKES A PERFECT FASTENER. THE SHOULDER, A, SINKS INTO THE WOOD, WHERE IT REMAINS SECURE AND BINDING, AND CANNOT COME LOOSE AND INOPERATIVE.

SHEET No. 26.

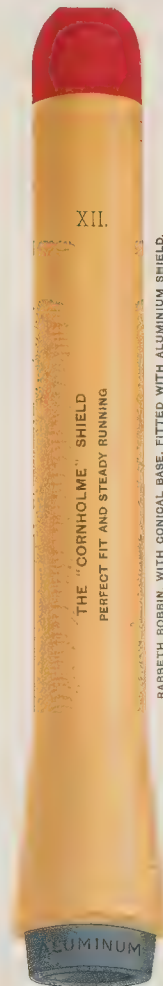
GENERAL MANAGERS:
A. PARKWEDGE & CO.
RHEINE IN WESTPHALIA.



BARBETH BOBBIN WITH YARN RINGS AT BASE TO PREVENT SLIPPING.



"CORNHOLME" STEEL RING. PATENT ROLLED EDGE.



RABBETH BOBBIN, WITH CONICAL BASE, FITTED WITH ALUMINIUM SHIELD.



"CORNHOLME" BRASS RING, PATENT ROLLED EDGE.



5 INCH LIFT SMALL DIAMETER FOR SHORT SLEEVE SPINDLES

A SELECTION OF RABBETH TWIST BOBBINS.

WE NOW MANUFACTURE THIS CLASS OF BOBBIN UNDER A NEW PATENT ENTIRELY BY NEW MACHINERY WHICH MAKES A STEADIER AND A SUPERIOR RUNNING BOBBIN THAN HAS BEEN POSSIBLE HERETOFORE.

MADE BY WILSON BROTHERS BOBBIN COMPANY, LIMITED.

CORNHOLME MILLS, TODMORDEN, ENGLAND.

WILSON BROTHERS BOBBIN COMPANY, LIMITED, ARE EXCLUSIVE MAKERS OF THE ROLLED EDGE PATENT SHIELDS AND RINGS STYLED "CORNHOLME" PATENT.

IMPROVEMENTS IN METAL SHIELDS: THE DOUBLE OR ROLLED OVER EDGE, A, OF THE METAL ADDS TO STRENGTH AND RIGIDITY OF THE SHIELD AND MAKES A PERFECT FASTENER. THE SHOULDER, A, SINKS INTO THE WOOD, WHERE IT REMAINS SECURE AND BINDING, AND CANNOT COME LOOSE AND INOPERATIVE.

SHEET No. 27.



RING WEFT PINNS.

A SELECTION FROM SOME OF THE KINDS IN DAILY USE, MADE BY A NEW PROCESS PRODUCING A STEADIER AND A SUPERIOR RUNNING BOBBIN THAN HAS BEEN POSSIBLE HERETOFORE. WE CALL SPECIAL ATTENTION TO PATTERNS F AND G. THE DUPLEX SHIELD PREVENTS ALL THE DAMAGE USUALLY DONE WHILE THE BOBBIN IS IN THE SHUTTLE AND LOOM.

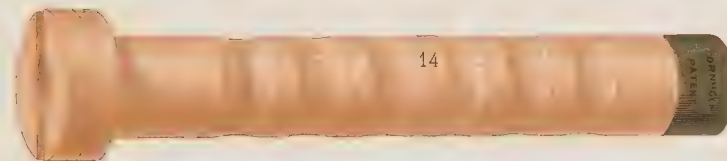
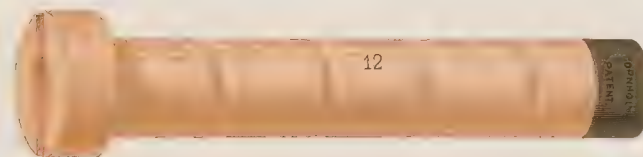
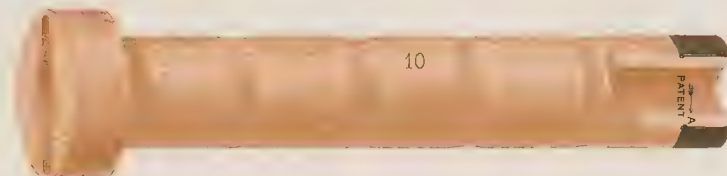
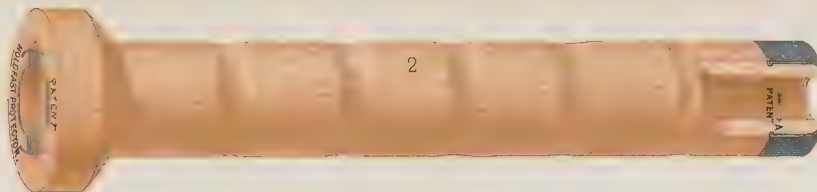
GENERAL-VERTRETER:

A. BRICKWEDDE & CO. RHEINE IN WESTFALEN.

MADE BY WILSON BROTHERS BOBBIN COMPANY, LIMITED,
CORNHOLME MILLS, TÖDMORDEN.

WILSON BROTHERS BOBBIN COMPANY,
LIMITED ARE EXCLUSIVE MAKERS OF THE ROLLED
EDGE PATENT SHIELDS AND RINGS STYLED
"CORNHOLME" PATENT.

GENERAL REFER:
A BRICKWEDDE & CO.,
RHEINE IN WESTFALEN



SPOOLS, PROTECTED WITH STEEL AND BRASS MOUNTINGS.

THE DRAWINGS SHOW THE APPLICATION OF THE "CORNHOLME" FERRULE OR TIP. THE PATENT ROLLED BEADED EDGE "A" SUPERSEDES THE PUNCH HOLES AS A FASTENER, FORMING A CLOSE EVEN JOINT BETWEEN THE METAL AND WOOD. IT IS IMPOSSIBLE FOR THE EDGE OF THE METAL TO LIFT OR RISE ABOVE THE WOOD BY CONSTANT USAGE. CANNOT COME OFF.

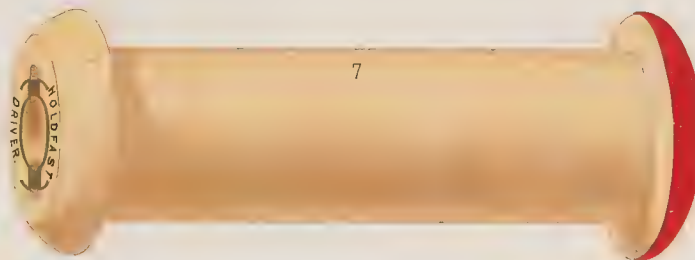
MAKERS: WILSON BROTHERS BOBBIN COMPANY, LIMITED,
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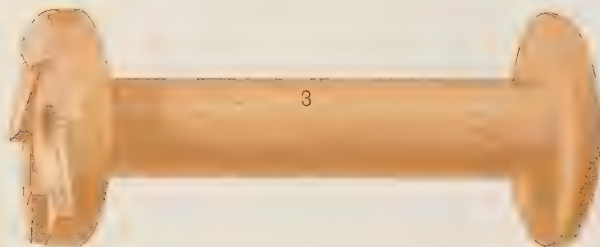
WILSON BROTHERS BOBBIN COMPANY, LIMITED, ARE EXCLUSIVE MAKERS OF THE ROLLED EDGE PATENT SHIELDS AND RINGS STYLED "CORNHOLME PATENT."



1



7



3



9

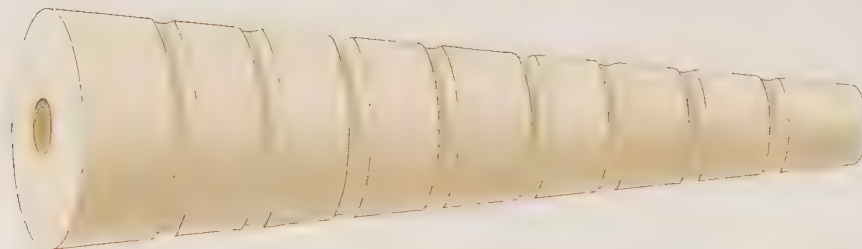


5

FLANGED BOBBINS.

MAKERS: WILSON BROTHERS BOBBIN COMPANY, LIMITED,
GENERAL-VERTRETER:
CORNHOLME MILLS, TODMORDEN.

A. BRICKWELDE & CO., RHEINE IN WESTFALEN



CORNHOLME PATENT
ROLLED BEADED EDGED TIP.



CORNHOLME PATENT
ROLLED BEADED EDGED TIP.



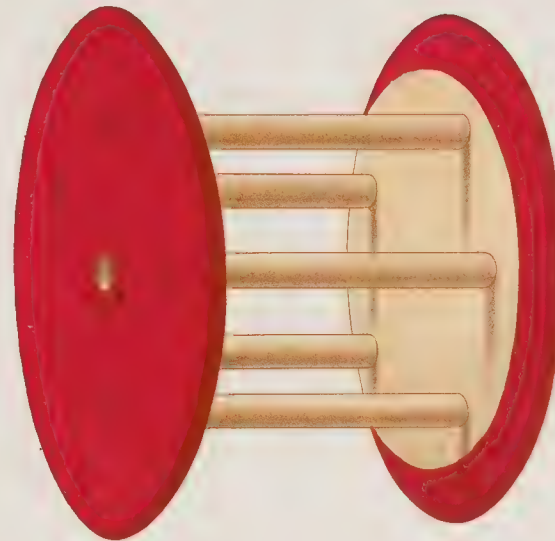
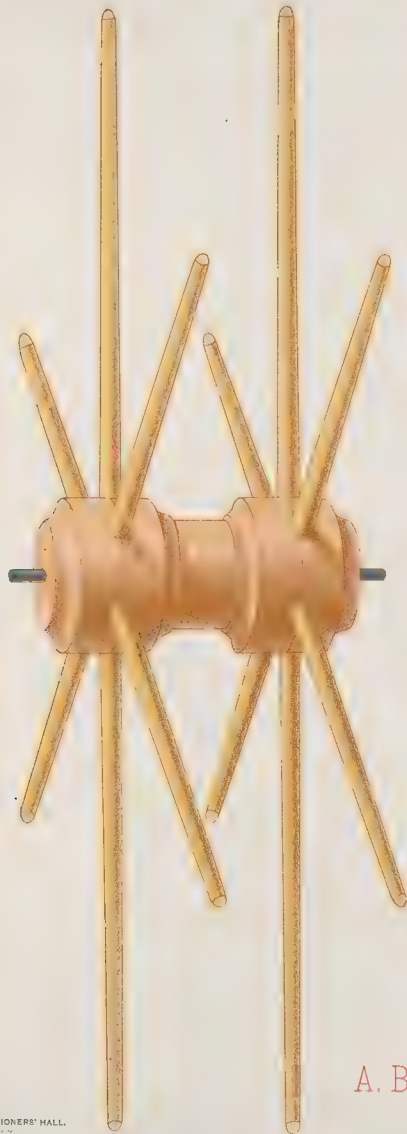
CONICAL BOBBINS, SHUTTLE PIRNS AND SALLY BOBBINS.

MAKERS: WILSON BROTHERS BOBBIN COMPANY, LIMITED,

GENERAL-VERTRETER:

CORNHOLME MILLS, TODMORDEN.

A. BRICKWEDDE & Co., RHEINE IN WESTFALEN



SWIFTS, RACERS, &c.

MADE BY WILSON BROTHERS BOBBIN COMPANY, LIMITED,

CORNHOLME MILLS, TODMORDEN.

GENERAL-VERTRETER

A. BRICKWEDDE & CO., RHEINE IN WESTFALEN



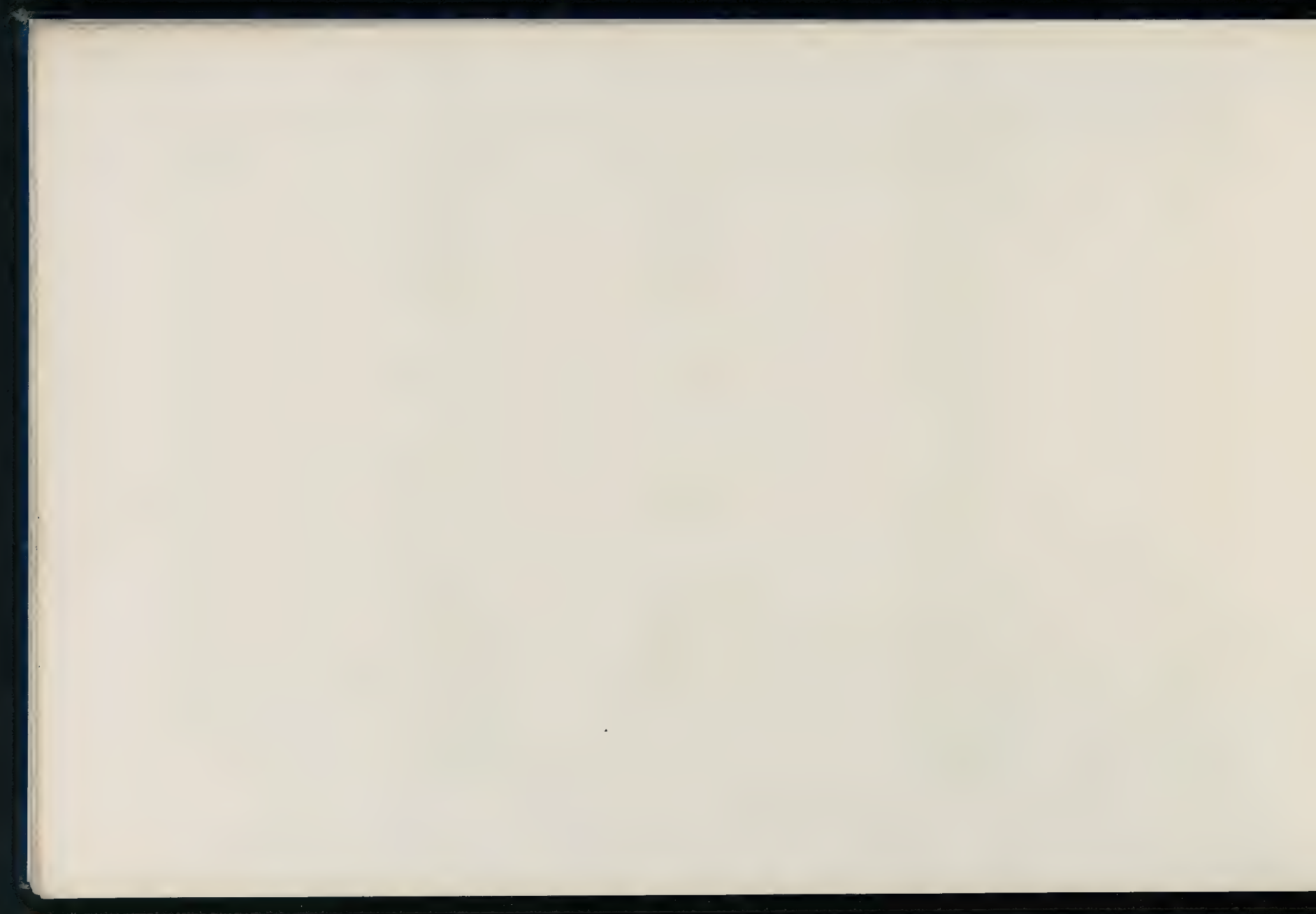
GENERAL-VERTRER:
A BRICKWELDE & CO.,
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RING SPINNING AND DOUBLING PIRNS FOR RABBETH SPINDLES. FULL SIZE ILLUSTRATIONS.

MAKERS: WILSON BROTHERS BOBBIN COMPANY, LIMITED,
CORNHOLME MILLS, TODMORDEN.

EXCLUSIVE MAKERS OF THE ROLLED EDGE PATENT SHIELD, TIP, &C., STYLED "CORNHOLME PATENT."





SOME SPECIMENS OF RING TWIST AND DOUBLER BOBBINS FOR ORDINARY RABBETH SPINDLES.

MANUFACTURED UNDER A NEW PATENT AND WITH NEW MACHINERY, BY WHICH A STEADIER AND A SUPERIOR RUNNING BOBBIN CAN BE MADE THAN HAS BEEN POSSIBLE HERETOFORE.

GENERAL-VERTRETER:

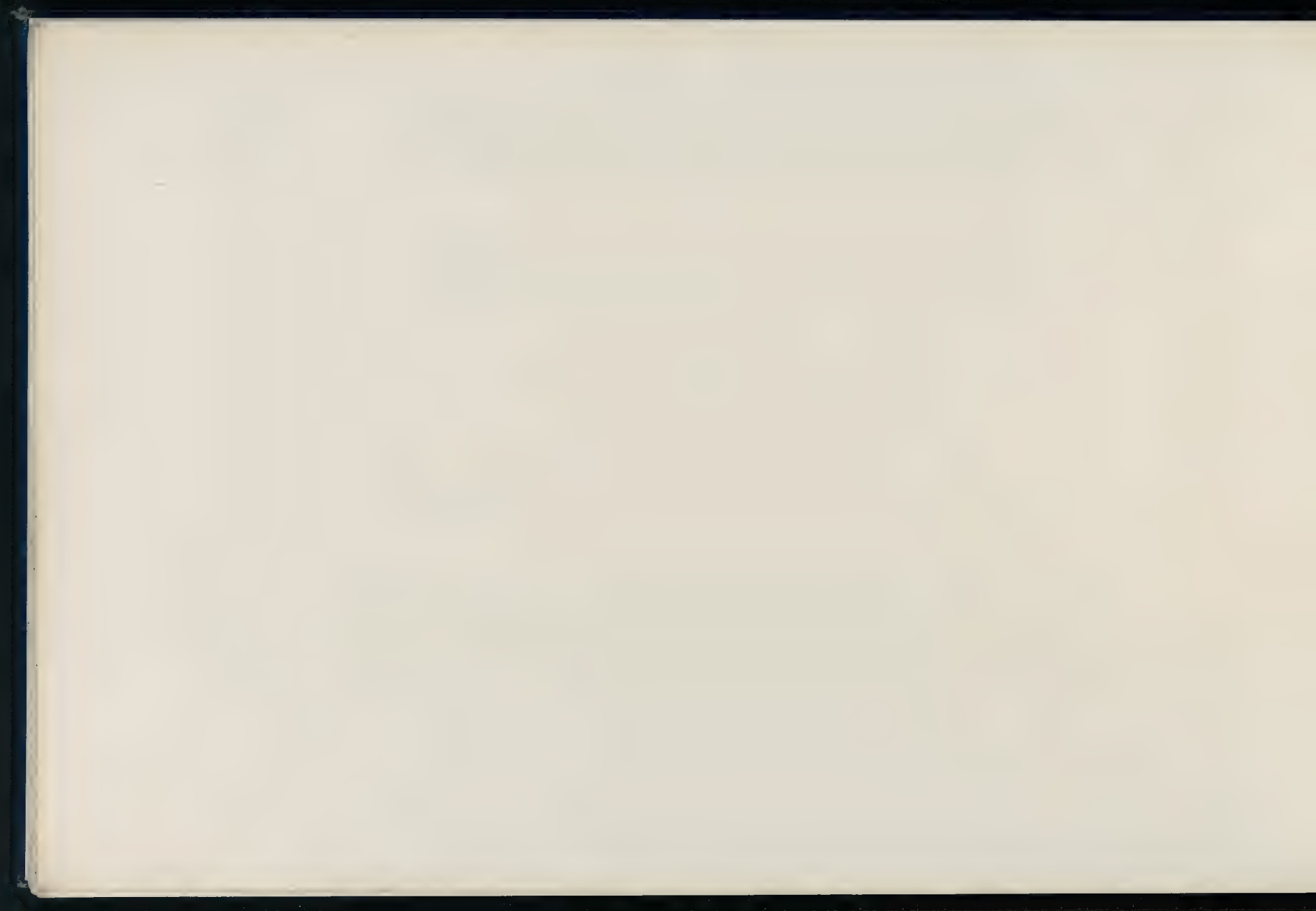
MAKERS: WILSON BROTHERS BOBBIN COMPANY, LIMITED,

CORNHOLME MILLS, TODMORDEN.

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Denton & Son, Printers, Manchester.

A. BRICKWEDDE & CO. RHEINE IN WESTFALEN.

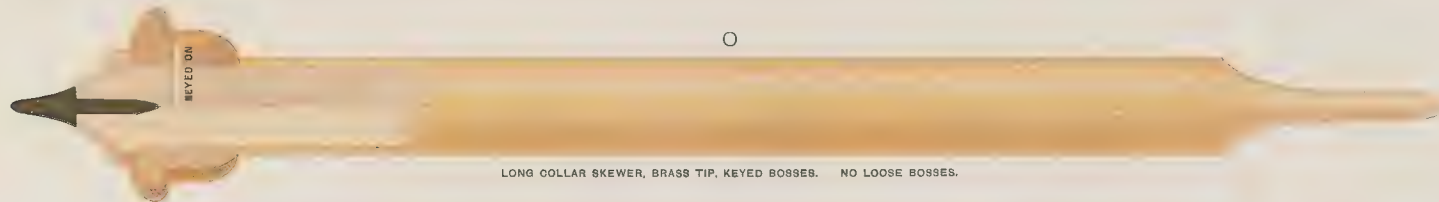
WILSON BROTHERS BOBBIN COMPANY, LIMITED, ARE EXCLUSIVE MAKERS OF THE ROLLED EDGE PATENT SHIELDS, RINGS AND TIPS, STYLED "CORNHOLME PATENT."



PATENT. "CORNHOLME STEEL RING." PATENT.

SHEET No. 34

WE CLAIM TO HAVE PRODUCED A MOST SATISFACTORY PROTECTOR IN PLACE OF WIRE AT AN EXCEEDINGLY LOW PRICE. ITS SUPERIORITY OVER THE ORDINARY STRING OR WIRE USED FOR PROTECTING TUBES AND BOBBINS IS FULLY ENDORSED BY USERS. THE ILLUSTRATIONS GIVE AN IDEA OF ITS SHAPE AND APPEARANCE. WE MAY ADD THAT IT IS MADE FROM SIEMEN'S STEEL PLATE.



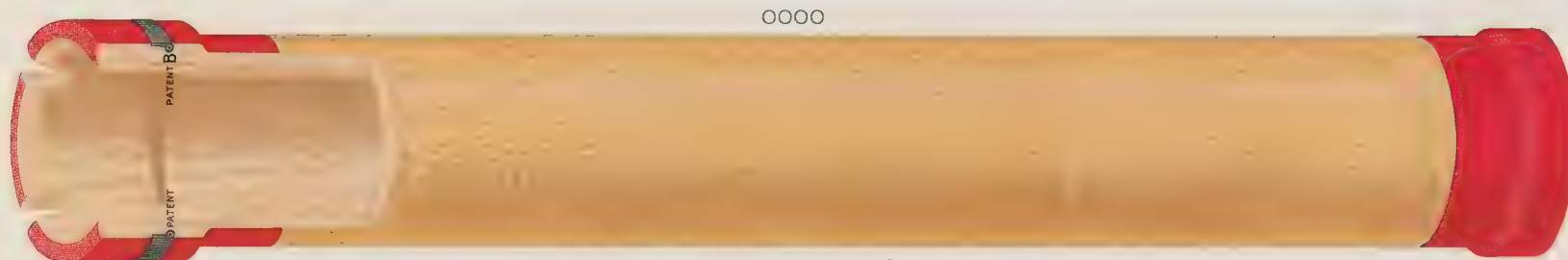
LONG COLLAR SKEWER, BRASS TIP, KEYED BOSSES. NO LOOSE BOSSES.



SHORT COLLAR TUBE, 8 INCHES LONG, 7 INCH LIFT X $1\frac{1}{8}$ INCH.



MALLEABLE IRON TIPS
KEYED BOSSES.



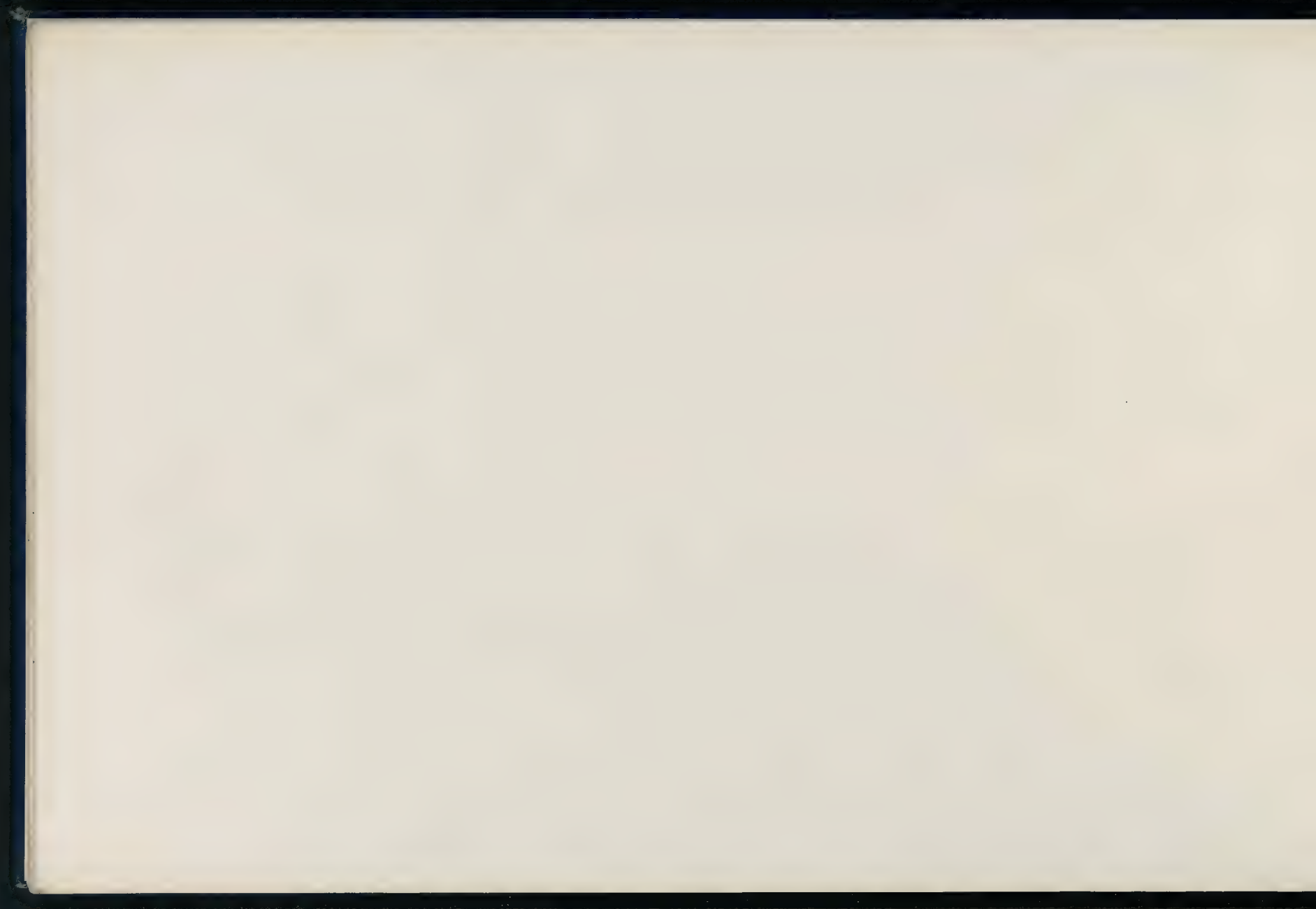
MASON'S LONG COLLAR TUBE, 10 INCH LIFT X $1\frac{1}{8}$ INCH DIAMETER.

THE IMPROVEMENT CONSISTS IN THE ROLLED OR BEADED EDGE B, WHICH WONDERFULLY INCREASES THE STRENGTH AND RIGIDITY OF THE RING. THE SHOULDER FORMED BY THE ROLLED EDGE ALSO MAKES A RELIABLE FASTENER, AND WHEN MILLED INTO POSITION, THE JOINT BETWEEN METAL AND WOOD IS CLOSE AND EVEN. IT IS THE ONLY SOLID STEEL RING SUCCESSFULLY APPLIED TO LEVEL SHORT COLLAR TUBES AS PER DRAWING OO, AND REDUCES TO A MINIMUM THE LIABILITY OF SUCH TUBES TO CRACK OR SPLIT, THEREBY LESSENING THE RISK AND LOSS OCCASIONED BY STAINED YARNS.

GENERAL-VERTRETER:

A. BRICKWEDDE & CO. RHEINE IN WESTFALEN.

EXCLUSIVE MAKERS: WILSON BROTHERS BOBBIN COMPANY, LIMITED,
CORNHOLME MILLS, TODMORDEN.

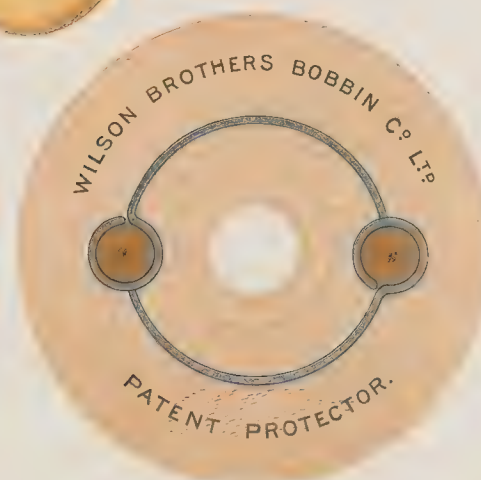


GENERAL-VEKTRETER:
A. BRICKWELDE & CO., RHEINE IN WETZLAU.

5 1/2 INCH LIFT X 3 1/2 INCH DIAMETER OF HEAD



6 INCH LIFT X 3 1/2 INCH DIAMETER OF HEAD.



THE RAPID WEAR CAUSED BY THE DRIVING LUGS
IS TAKEN UP BY THIS SHIELD.

WINDING AND DOUBLER BOBBINS

MAKERS: WILSON BROTHERS BOBBIN COMPANY, LIMITED,
CORNHOLME MILLS, TODMORDEN.

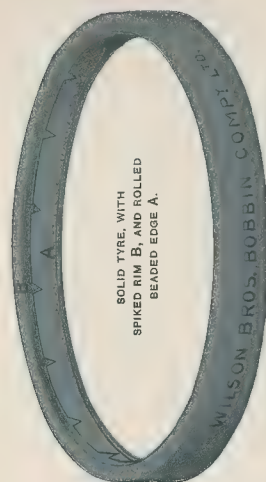


FIG. 1.

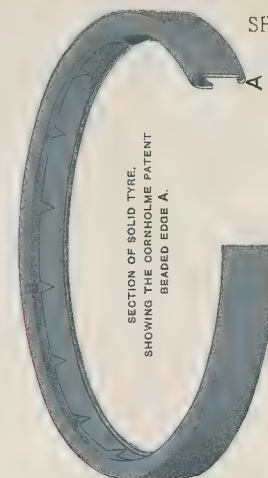


FIG. 1.

IMPROVEMENTS IN WARPING FLANGE BINDERS, &c.

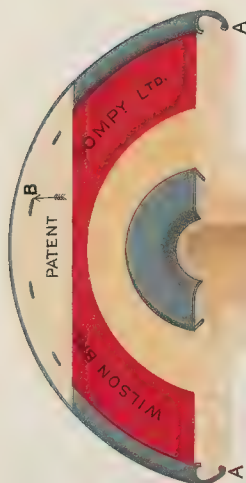


FIG. 2.

THE SOLID OR ENDLESS TYRE, AS PER DRAWING, CONTAINS TWO IMPROVEMENTS OVER THOSE IN ORDINARY USE, VIZ: THE SPIKED RIM AND THE ROLLED BEADED EDGE. THE SPIKES, SEE FIG. 2, ARE DRIVEN INTO THE SOLID WOOD, SECURELY NAILING THE TYRES FAST. THE TURNED OVER EDGE OF METAL, A, FIG. 1, FORMING A SHOULDER WHICH BURIES ITSELF IN THE WOOD, WHERE IT REMAINS SECURE AND BINDING. NO RISK OF THE METAL LIFTING ABOVE THE WOOD BY CONSTANT USAGE. CANNOT COME LOOSE.

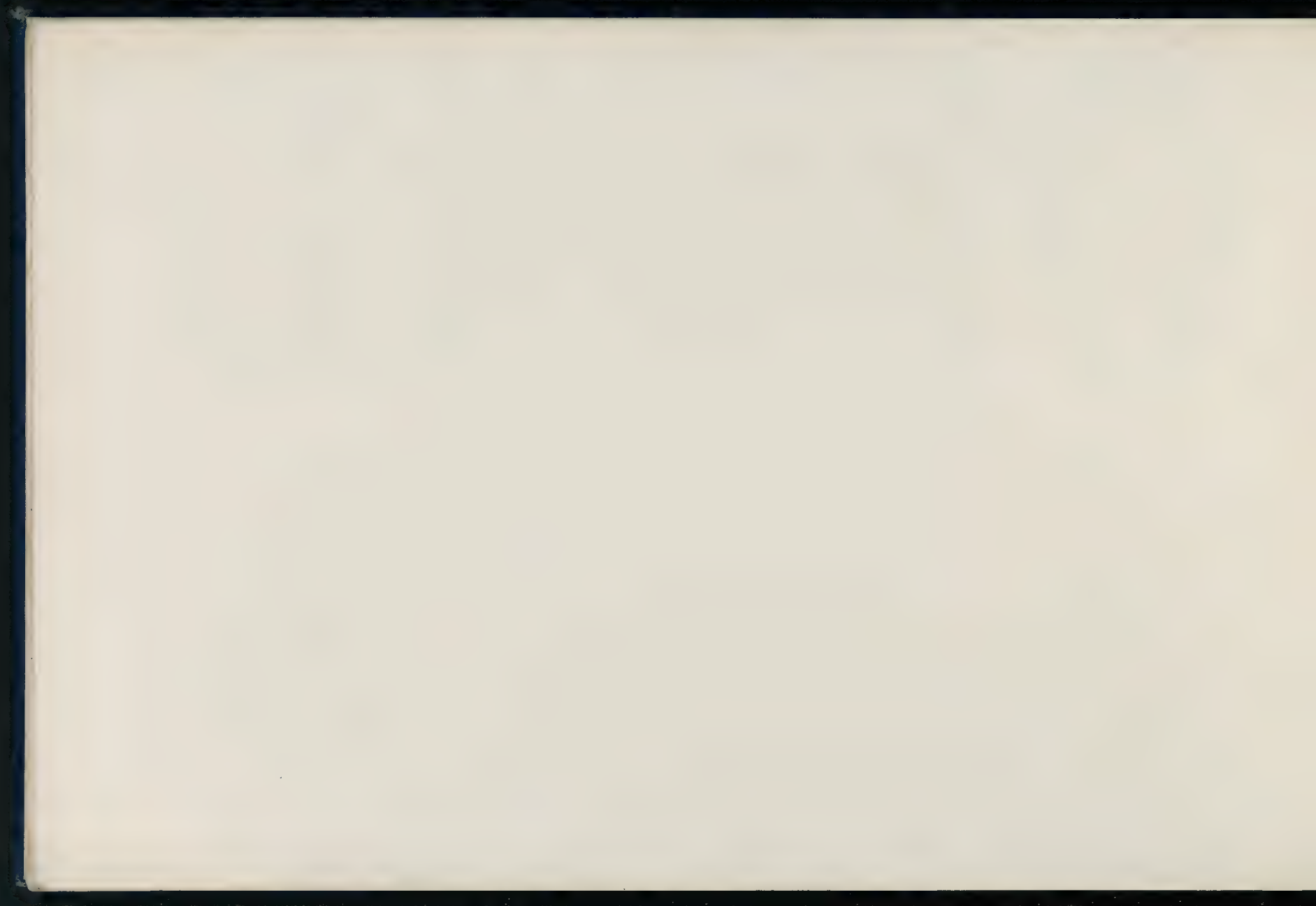
GENERAL-VERTEPETER:

A. BRICKWEDDE & CO.

RHEINE IN WESTFALEN,

MAKERS: WILSON BROTHERS BOBBIN COMPANY, LIMITED,
CORNHOLME MILLS, TODMORDEN.





IMPROVEMENTS IN METAL SHIELD PROTECTORS.
THE "CORNHOLME SHIELD."

SHEET No. 37.

GENERAL-VERKEHR.
A. FRIEDWEDDE : CO.
RHEINE IN WESTFALEN



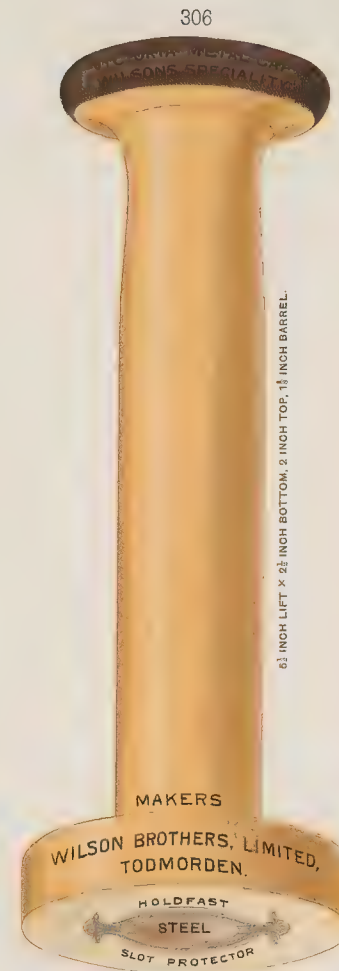
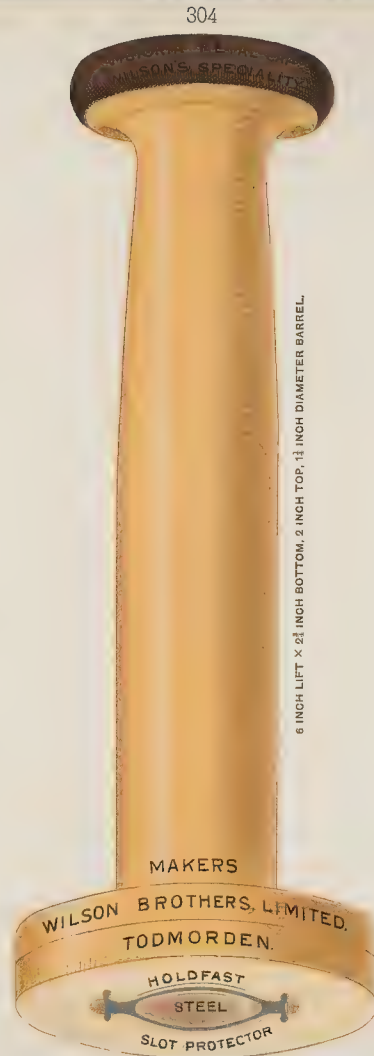
SPECIMENS OF SHIELDS AND SECTIONS, SHOWING THE METHOD OF FASTENING THE PROTECTORS.

WILSON BROTHERS CLAIM TO HAVE PRODUCED A DECIDED IMPROVEMENT IN SHIELD PROTECTORS, WHICH HAS OVERCOME THE MOST SERIOUS DEFECTS IN THE OLD KIND OF SHIELDS. THE IMPROVEMENT CONSISTS IN THE ROLLED BEADED EDGE "A". THIS DOUBLE OR FOLDED OVER EDGE ADDS VERY MATERIALLY TO THE STRENGTH OF THE SHIELDS AND RINGS. WE CLAIM FOR THE CORNHOLME SHIELD THE FOLLOWING ADVANTAGES, VIZ:— 1. THE ROLLED BEADED EDGE "A" OF THE SHIELD BEING TWOFOLD CANNOT BY CONTINUAL USAGE LIFT OR RISE ABOVE THE WOOD, BUT WILL ALWAYS RETAIN A SMOOTH EVEN SURFACE. 2. THE SMOOTH ROLLED EDGE FORMED BY TURNING OVER THE METAL MAKES A PERFECTLY CLOSE JOINT BETWEEN THE WOOD AND METAL. 3. THE SHOULDER "A" FORMED BY THE DOUBLE EDGE IS A RELIABLE FASTENER AND CAN BE DEPENDED UPON. 4. THE "CORNHOLME SHIELD" DISPENSES WITH THE PUNCH HOLES AS A FASTENER; SUCH HOLES WEAKEN THE SHIELD AND PRESS IT OUT OF SHAPE.

MAKERS: WILSON BROTHERS BOBBIN COMPANY, LIMITED,
CORNHOLME MILLS, TODMORDEN.

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Charles Knicker, Per. No. 10,000,000

WILSON BROTHERS BOBBIN COMPANY, LIMITED, ARE EXCLUSIVE MAKERS OF THE ROLLED EDGE PATENT SHIELDS AND RINGS STYLED "CORNHOLME PATENT."



RING DOUBLER BOBBINS.

FROM SOLID QUARTER CLEF SYCAMORE, OR IF FOR DRY DOUBLING WITH JOINTED HEADS. THE DRIVING SLOT PROTECTOR IS MADE FROM SIEMEN'S STEEL PLATE AND THE CAPS FROM VICTORIA METAL, WHICH DOES NOT CRACK. TESTED AND BALANCED.

GENERAL-VERTEPRER:

MAKERS: WILSON BROTHERS BOBBIN COMPANY, LIMITED,

CORNHOLME MILLS, TODMORDEN.

307



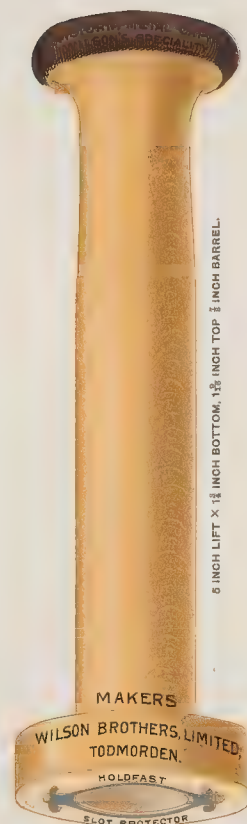
6½ INCH LIFT X 2½ INCH DIAMETER BOTTOM. 1½ INCH TOP, 1 INCH BARREL.

308



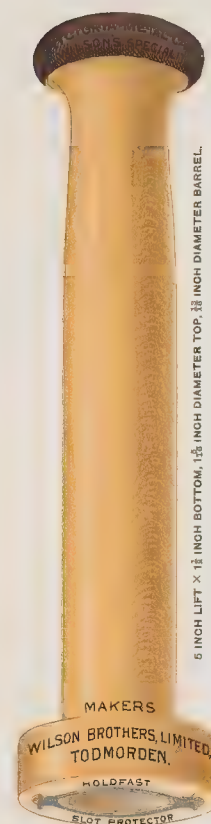
5 INCH LIFT X 2 INCH BOTTOM 1½ INCH TOP, 1½ INCH BARREL.

309



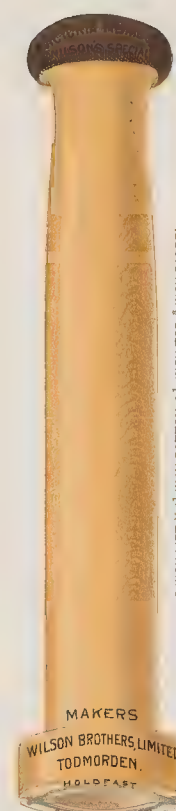
5 INCH LIFT X 1½ INCH BOTTOM, 1½ INCH TOP, 1 INCH BARREL.

310



5 INCH LIFT X 1½ INCH BOTTOM, 1½ INCH DIAMETER TOP, 1½ INCH DIAMETER BARREL.

311



5 INCH LIFT X 1½ INCH BOTTOM, 1½ INCH TOP, ½ INCH BARREL.

RING DOUBLER BOBBINS.

FROM SOLID QUARTER CLEF SYCAMORE, OR IF FOR DRY DOUBLING WITH JOINTED HEADS. THE DRIVING SLOT PROTECTOR IS MADE FROM SIEMEN'S STEEL PLATE AND THE CAPS FROM VICTORIA METAL, WHICH DOES NOT CRACK. TESTED AND BALANCED.

GENERAL VERTRETER:

A. BRICKWEDDE & CO., RHEINE IN WESTFALEN.

MAKERS: WILSON BROTHERS BOBBIN COMPANY, LIMITED,
CORNHOLME MILLS, TODMORDEN.

TAPER WINDING BOBBINS.

SHEET No. 41.

ALUMINIUM

VICTORIA METAL

WILSON BROTHERS BOBBIN COMPANY, LIMITED
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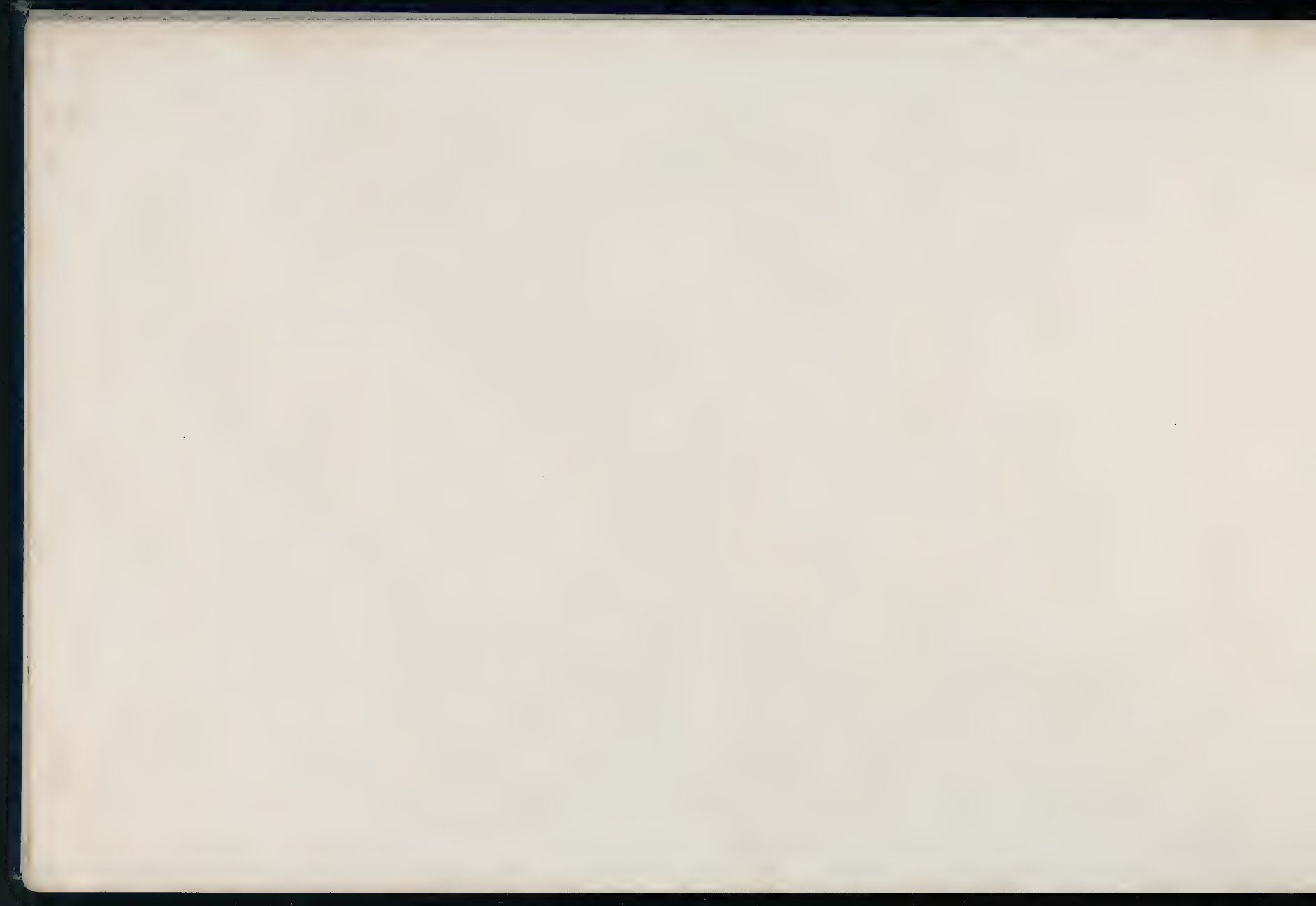
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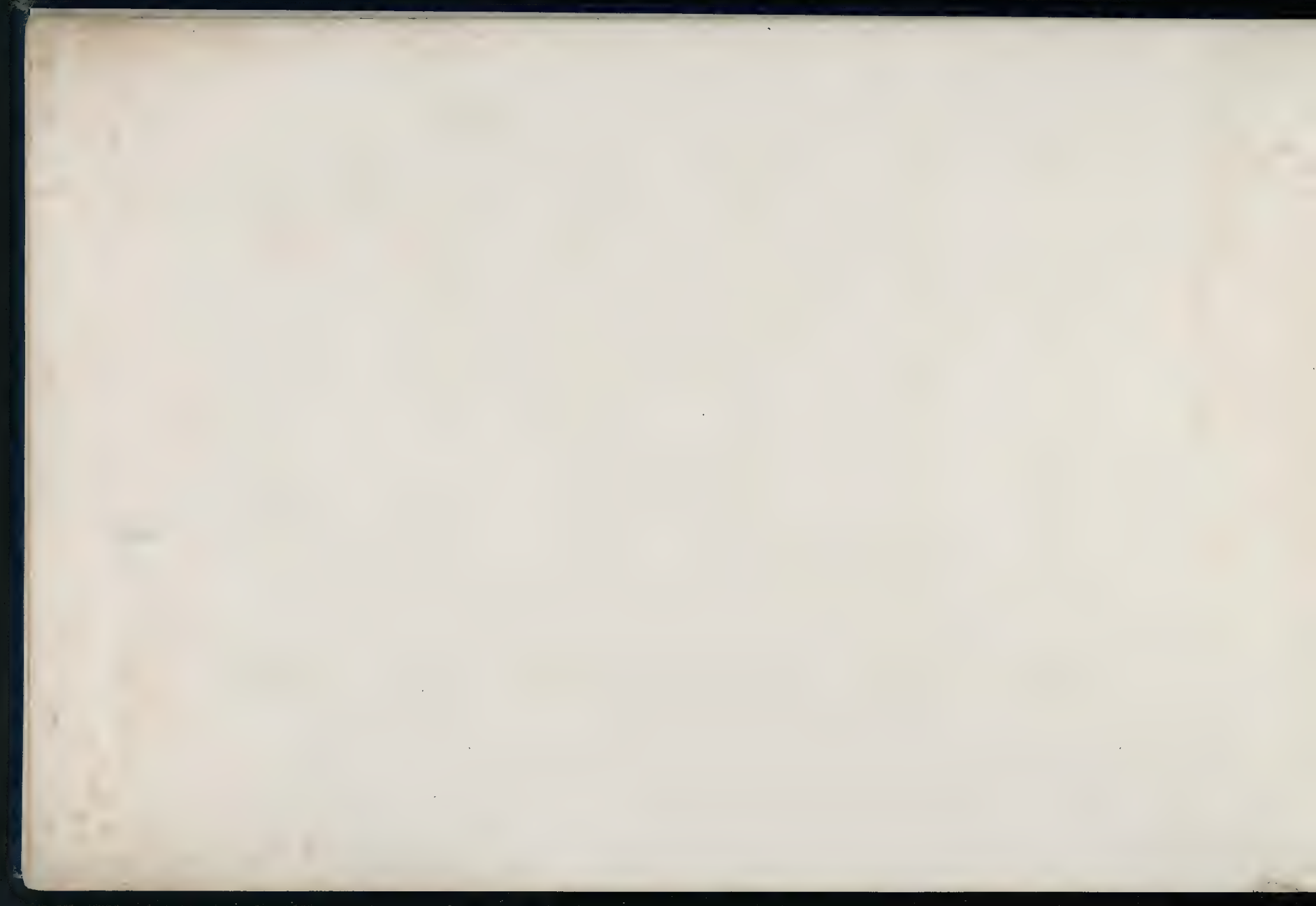


SHUTTLE PIRNS.

WE HEREWITH ILLUSTRATE A FEW OUT OF THE MANY VARIETIES OF PIRNS, MOUNTED WITH STEEL AND BRASS PROTECTORS.

WILSON BROTHERS BOBBIN COMPANY, LIMITED,
CORNHOLME MILLS, TODMORDEN, ENGLAND.

EXCLUSIVE MAKERS OF THE PATENT ROLLED EDGE SHIELDS, STYLED "CORNHOLME" SHIELD, RINGS AND TIPS.





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Patent

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